Owners Handbook

2003 Tourers

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Your new Explorer Group caravan has been designed as a luxury recreational vehicle and is intended for recreational use only. It is not intended for business use or for permanent habitation. The Explorer Group Limited accepts no liability if the caravan is used for any purpose other than holiday use.

To ensure the very best quality and reliability the caravan has been through our extensive design and testing programme. Therefore the Explorer Group Limited will accept no liability if the caravan is altered or modified in such a way that would adversely affect the reliability.

All the illustrations and descriptive matter in this guide are intended to give a general idea of the caravan. Changing market and supply situations may prevent us from maintaining the exact specification details in this guide and we therefore reserve the right to alter specifications as materials and conditions demand.

Please check current details with your retailer and inspect the caravan to ensure it is satisfactory before purchase. Retailers are independent and have absolutely no authority to bind The Explorer Group Limited by any express or implied undertaking or representation.

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WELCOME TO THE WORLD OF CARAVANS

You are now the owner of a quality caravan. It is strongly recommended that you read the pages of this guide thoroughly so that you are fully conversant with all the caravan systems. The User's Guide has been prepared for your guidance to help you derive the greatest amount of pleasure from the use of your caravan. If there is anything you wish to know, which this guide fails to cover, please refer to additional information contained in your Owner's Information Pack. Alternatively, we are sure that your Approved Retailer will be pleased to help.

Approved Retailers will be able to supply any replacement parts for your caravan, should the need arise, along with any accessories you may require. **Please note that it is not possible to purchase replacement parts or accessories direct from the manufacturer.**

We are sure you will have many happy times with your caravan but please remember - a happy carefree time is based on proper, thorough and responsible preparation, careful driving with regard to the "Rules of the Road", other road users and above all ensuring your caravan is in a first class roadworthy condition. It is a condition of your warranty that your caravan is serviced by an Approved Retailer or Service Centre once every twelve months and that the service record in the back of this guide, is maintained in accordance with instructions.

SERVICING

(Your caravan must be serviced within 12 months of purchase date and every 12 months thereafter)

Suitable towing vehicles

The caravan is manufactured for towing behind normal road cars and is not suitable for towing behind commercial vehicles other than passenger car derivatives. If in doubt please contact your caravan retailer. The Explorer Group cannot give advice on individual cars

Your caravan requires servicing at least once a year for safety, efficiency and to protect the investment you have made. Whether the caravan is used for short trips or continental long range touring, regular servicing is necessary and will ensure continued enjoyment of your holiday home.

Your retailer will carry out your annual servicing using the latest techniques and equipment (a list of the items to be inspected, tested and adjusted appears on the Service Vouchers at the rear of this handbook), and will complete the service document as proof of regular maintenance.

As with motor vehicle service documents, not only will the proof of regular servicing enhance your caravan resale value, but in the unlikely event of any defect appearing at some later date — a properly serviced and documented caravan history will enable your retailer to rapidly assess and, where appropriate, carry out the necessary remedial work. Additionally, but most importantly, regular service is a requisite to preserving your rights under the warranty.

IMPORTANT:

The 17 character VIN of your caravan should be quoted in all correspondence. This number can be found etched onto your windows or stamped on the 'A' frame of your caravan chassis. This number is also shown on the N.C.C. Certificate.

INTRODUCTION

WATER INGRESS

CODE OF PRACTICE

We at The Explorer Group Limited want our customers to be sure that, in buying one of our products, you are buying the very best. We would like you to continue to believe this for a long time after you have made your purchase.

We are confident that our new products, built with innovative manufacturing techniques and tested materials, make water ingress concerns unnecessary.

In fact, we are so confident of our new products that we follow a 'Code of Practice' which gives certain guarantees to our customers, both consumers and retailers, of financial reimbursement of repair costs should problems occur.

THE CODE

The code applies to all new Explorer Group products manufactured after 1st September 1998.

All customers with documentary proof of annual services by an approved Explorer Group Limited retailer or service centre, will be paid in full for the costs of repairs due to water ingress. This is valid for up to 5 years from the original date of purchase of a new product.

Customers without a full service history may receive up to 100% of the costs of repair for water ingress damage in year 2 of ownership, up to 75% in year 3, up to 50% in year 4 and up to 25% in year 5. Each case will be examined on its own merit. The Explorer Group Limited will decide the amount of contribution towards the repair costs.

Customers who bought new caravans between September 1996 and August 1998 will also be covered under this code, providing they have documentary proof of annual services by approved Explorer Group Limited retailers or service centres.

Customers exchanging their current Explorer Group model for a new Explorer Group model will not have the value of their part exchange reduced due to potential water ingress issues, providing that there is documentary evidence that the caravan has been annually serviced and that it is less than 5 years old.

CONDITIONS ATTACHED TO THE CODE

- Repairs may only be carried out after approval by The Explorer Group Limited (dependent upon individual circumstances).
- The Explorer Group Limited will pay the costs of repairs, only after approved work has been carried out.
- The Code is not retrospective. Caravans traded-in prior to implementation of the Code are not covered.
- In the case of dispute, The Caravan Club will agree with The Explorer Group Limited, the appointment of an independent arbitrator. The Explorer Group Limited will pay for the costs of arbitration subject to the consumer paying a £100 deposit.
- If the arbitrator finds in favour of the customer, then the deposit will be returned. If the arbitrator finds in favour of The Explorer Group Limited, the customer will lose the deposit.
- Where the arbitrator awards a sum of money less than an offer made by The Explorer Group Limited, which has already been rejected by the customer, then the deposit is forfeited.
- The arbitrator's decision is final and both parties must agree to abide by the decision.

NOTE: The Explorer Group Limited warranties may be transferred to a second owner for a small fee.

FIRE RETARDANT FOAMS

Under the Condition of the Consumer Protection Act 1987, the manufacturer has a responsibility to ensure that their product is as safe as possible.

With this in mind all caravans are equipped with either Combustion Modified High Resilient (C.M.H.R.) foam cushions or sprung mattresses. These foams are very much safer from a fire point of view than those previously used. In addition all upholstery is made of fire retardant fabric.

SECURITY

CARAVAN REGISTRATION AND IDENTIFICATION SCHEME – VIN

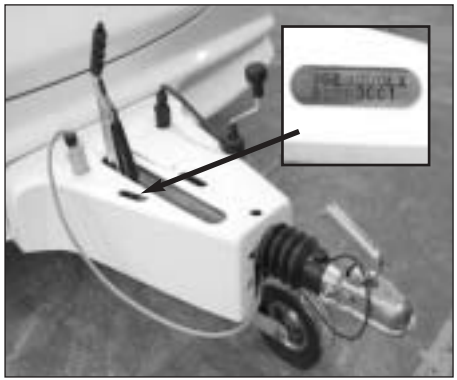
The caravan has been security marked and recorded under the Caravan Registration and Identification Scheme that is organised by the Caravan Industry.

Shortly after purchasing this caravan you should receive your Touring Caravan Registration Document. It will be sent by post to your home address.

Your Touring Caravan Registration Document will include a 17 character VIN (Vehicle Identification Number), shown in the top right - hand corner. This 17 character VIN will be die-stamped into the caravan drawbar and chemically etched on up to a maximum of 10 eye level windows.

To protect yourself and your touring caravan, never leave the Registration Document in the caravan. For security reasons keep it in a safe place.

If you sell the caravan please follow the instructions on the Touring Caravan Registration Document.



If you do not receive a Touring Caravan Registration Document, lose it, or any of the details recorded are incorrect, please contact:

CRIS
Dolphin House
New Street
Salisbury
Wiltshire
SP1 2TB

Telephone: 01722 411430

SECURITY TAG

A security tag containing the individual identity of your caravan is concealed within the caravan body and can only be read by using a special decoder.

Your local police can obtain the use of a decoder by contacting C.R.I.S. on telephone no. 01722 411430.

The following is a brief description of the main components used in your caravan. More comprehensive descriptions can be found in the equipment manufacturers literature held in the Owner's Information Pack.

BPW Chassis

BPW are one of the largest producers of caravan chassis in Europe. The chassis is galvanised special steel fitted with neidhart axles and suspension system. For 2003 models the Expolorer Group Limited are utilising the new BPW V-TEC Chassis System.

Note: Holes should not be drilled into the chassis. When purchasing a stabiliser, consult your retailer who will advise on the correct type to fit.

Braking System.

The Braking System comprises a rod-operated overrunning device with expander mechanism and adjuster box.

An automatic reversing system with a spring loaded reverse lever is attached to the adjuster box. The system also incorporates a link device, which gives added safety to the handbrake operation when parking on a reverse slope or steep hill. Brake adjustment instructions are given in the maintenance section of this guide.

Body Shell

Caravan bodies are constructed from the highest quality materials. The floor is constructed from a W B P plywood sandwich, impregnated with anti-damp and rot compounds and adhesives.

The walls comprise an insulated foam sandwich having pre-coated aluminium exterior surface and vinyl coated plywood interior finish. Wooden framing is positioned within the sandwich to add strength.

The very latest 'state of the art' presses are employed to produce the extremely well insulated, robust, yet lightweight sections.

Windows are all of a double glazed acrylic construction and the door frames are extruded aluminium. The gas bottle locker is an integral moulded glass fibre or acrylic capped ABS construction for strength and lightness.

Each caravan is fitted, as standard, with an awning channel as an integral part of the near- and/or off-side aluminium roof and body side moulding. If it is found necessary to fit additional attachments, care must be taken to ensure that any holes which are drilled in the outside of the body are correctly sealed.

Awnings which employ rubber sucker attachments rather than screw fixings are recommmended.

On **NO** account should screw threads longer than 5/8th inch (15mm) be permitted to enter the shell sandwhich (from inside). Ensure that all screws are of the self tapping type.

No screw or any other object should be permitted to enter the ceiling of your new caravan.

SAFETY RECOMMENDATIONS

GENERAL SAFETY

In order for you to get the most out of your new Explorer Group caravan it is necessary for you to be aware of the following.

1. Do not obstruct ventilators.
2. Inspect the flexible gas hose regularly for deterioration and renew as necessary, with approved type, and in any case no later than the expiry date stated on the hose.
3. It is recommended that you provide a dry powder fire extinguisher complying with ISO 7165 of at least 1KG capacity by the exit door and a fire blanket next to the cooker. Ensure you read the 'advice to occupier label' fitted to your caravan.
4. Never use portable cooking or heating equipment inside your caravan. Do not use your fitted cooking equipment as heating at any time.
5. Never allow modification to your gas or electrical system unless qualified persons carry them out. All modification to the gas system should be carried out by a CORGI registered gas fitter. Any modifications carried out on the electrical system should be carried out by an electrician on the roll of the NICEIC or be a member of the ECA.
6. Never exceed your caravans Maximum Technical Permissible Laden Mass.
7. Never exceed the caravan or your cars maximum nose weight whichever is the lower.
8. Care shall be taken against the risk of falling out when children, especially under 3 years of age, use the upper bunk.
9. Ensure heavy and large items are secured before towing your new caravan to reduce the risk of damage being caused while the caravan is in motion.
10. Turn off all gas appliances and turn off the gas supply before towing your caravan.
11. Do not leave children under 14 years of age unattended in your caravan.
12. When your caravan is connected to your towing vehicle it should be level or slightly nose down. An excessive nose down attitude or a nose up attitude could lead to instability when towing.

VENTILATION

All caravans manufactured by the Explorer Group Limited are ventilated at both high and low level in accordance with BSEN 721 Safety Ventilation. The fixed ventilation points fitted in your caravan must not be blocked under any circumstances as your safety may depend upon them.

It is advisable that the fixed ventilation points are checked and cleaned (where necessary) on a regular basis.

HIGH-LEVEL VENTILATION

This is always provided by fixed ventilation within the fitted roof skylight. All roof skylights fitted by Explorer Group provide fixed free area ventilation. These roof skylights should be cleaned annually by use of a small brush to remove any dust that may have accumulated around the mesh fitted. On some roof skylights the mesh can be easily removed to aid cleaning. On fan-assisted roof skylights it is essential that the roof skylight be switched off prior to cleaning.

LOW-LEVEL VENTILATION

Low level ventilation is provided under the front chest of drawers, except in an L-shape layout, where it can be found either in the nearside or offside bed box. The exact position can be identified via the white plastic cover used to prevent the ventilation from being obstructed. In order to clean the ventilator, remove the cover by undoing the two screws and clean using a small brush. It is essential that the cover is replaced once cleaning is complete.

SEPARATE BEDROOMS

In caravans with sleeping areas separated via a solid door, separate ventilation is required and is provided via a roof skylight at high level and a ventilator at low level within a bed box.

THERMAL INSULATION AND HEATING CLASSIFICATION

All caravans manufactured by the Explorer Group Limited are classified as Grade 2, in accordance with BSEN 1645 part 1, for thermal Insulation and heating. This will allow the Interior temperature to be maintained at 20 ºC when the exterior ambient temperature is 0 ºC.

IMPORTANT: Your attention is drawn to the notice affixed in the caravan advising on fire prevention, ventilation and what to do in case of fire.

CHILDREN

Do not leave children alone in the caravan. Keep potentially dangerous items, e.g. matches, drugs, etc, out of reach, as at home.

FIRE EXTINGUISHERS

It is recommended that a 1 kg (2lb) minimum capacity dry powder fire extinguisher be carried inside your caravan at all times. A fat pan fire must not have an extinguisher aimed at it, but must be smothered with a fire blanket.

IN CASE OF FIRE

1. Get everyone out of the caravan as quickly as possible using whichever exit is quickest including windows. Do not stop to collect any personal items.
2. Raise the alarm. Call the fire brigade.
3. Turn off gas container valve if safe to do so.

Petrol/Diesel Fumes

The fitting of a tail pipe to your exhaust will reduce the possibility of fumes entering your caravan through the front fixed ventilation points.

SECURITY

VIN

Record your caravan V.I.N. which can be found stamped on the 'A' frame or on one of the eye-level windows. Make a note of this number in the space provided at the front of this guide and make a separate note of the number to keep safe at home.

CARAVAN THEFT

The theft of a caravan can occur in the most unlikely circumstances; from a motorway service area, even from an owner's driveway.

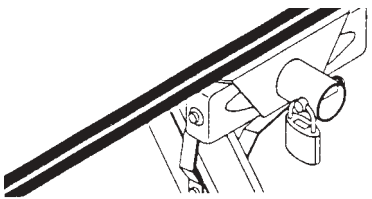
Secure all windows and doors when your caravan is unoccupied, even if only for a short length of time.

ADDITIONAL SECURITY

Consider fitting any device which might deter or prevent intrusion by thieves. A hitch lock cover prevents towing of the caravan.

A wheel lock prevents towing of the caravan and removal of the wheel.

NOTE: Corner steady locking devices are fitted to some models and owners are advised to purchase good quality, extended loop padlocks in order to secure them.



FREE CRIME PREVENTION advice about securing your caravan, protecting your valuables, property marking, either at home or whilst on site, can be obtained from the Crime Prevention Officer through your local Police Station.

PREPARE FOR THE ROAD

When selecting a towing vehicle it is recommended that you consult the Caravan Towing Code, a copy of which is contained in your user information pack.

Your new caravan has been manufactured for towing behind a normal motor car; **It is not designed to be towed behind a commercial vehicle.** Provided care is exercised when towing with a 4x4, and loading limits are strictly adhered to, no problems should arise. We would however strongly recommend that all such 4x4's are fitted with a spring assisted towball, which can reduce the shock put onto the chassis by up to 70%.

Please also refer to The Caravan Towing Code, which is included in your Owner's Information Pack.

PRE-TOW CHECKLIST AND HITCH-UP

Caution: Never enter the caravan without first lowering the four corner steadies with the brace provided.

Corner steadies should not be used as a jacking device.

– loose articles must be stowed securely. Do not stow tins, bottles or heavy items in overhead lockers prior to towing.

– all lockers and cupboard doors are closed and secured.

– all bunks are secure.

– all rooflights are closed and secured.

– main table is stored in its transit position.

– fridge is on 12v operation and door lock is set.

– all windows are fully closed and latched.

– Never tow with windows on night setting. Leave all curtains and blinds open to aid rear visibility.

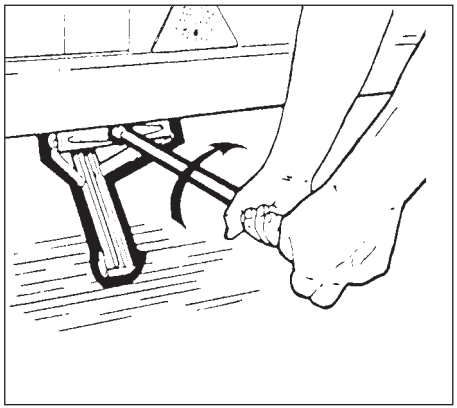
– gas cylinders are correctly positioned, secured and turned off.

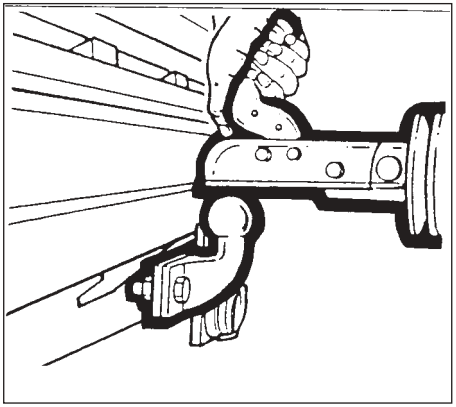
– battery is secure and connecting cable is disconnected and stowed.

Check Gas Locker, Battery Locker (if fitted) and Cassette Toilet (if fitted) door/s are secure.

Check wheelnuts, tyre pressures and tyre conditions.

With the caravan handbrake on, adjust the jockey wheel so that it is in good contact with the ground. Wind up the corner steadies to the fully retracted position.





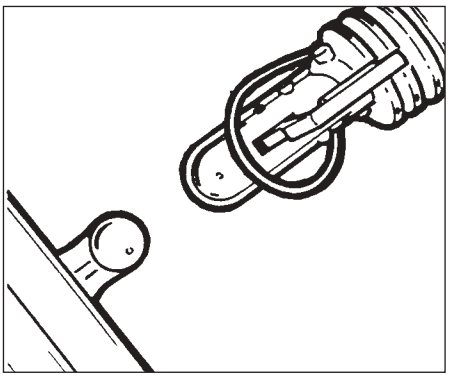
When the hitch is seated securely on the ball, release the locking catch, ensuring that the locking mechanism is fully engaged on the underside of the towing ball.

Wind up the jockey wheel and retract to the highest position.

Fit and secure stabiliser (if used).

Plug in the electrical connections.

Connect the ‘break-away’ cable.



WARNING: The ‘break-away’ cable must be secured around the towing bar assembly and not round the ball-head.

Release caravan handbrake, adjust all mirrors from driving seat and proceed.

TOWING AND DRIVING

Please also refer to The Caravan Towing Code which is included in your Owner's Information Pack.

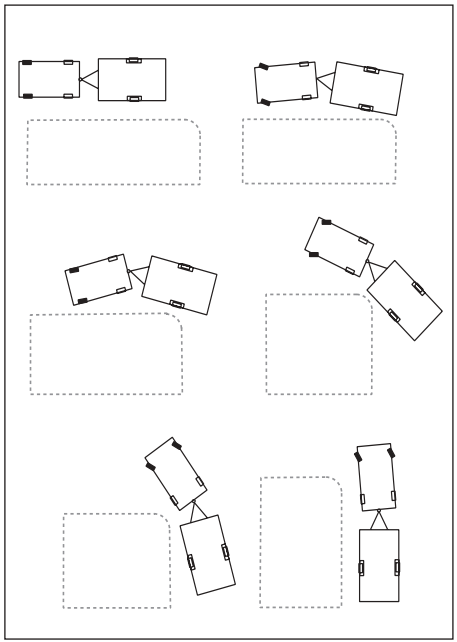
Reversing

It is advisable to have a second person available when reversing the caravan. Start practising by choosing a left-hand bend for ease. Reverse slowly, turning the wheel, initially the opposite way to the direction you want the caravan to go.

Now the front of the caravan is nudged out and is moving the rear in the intended direction. Take care not to hit the van with the car!

Midway through the manoeuvre, when the caravan is correctly angled, slow to crawl and gradually apply opposite lock. Make the car follow the caravan round then finally straighten up.

Proficiency at reversing can only be achieved with practice.



SPEED LIMITS

Normal road towing: 50mph

Motorways (including dual carriageways): 60mph

Setting Off

Let the clutch in smoothly.

Allow more engine speed to produce the power to move the additional weight of the caravan.

Avoid wear and tear on clutch and transmission by taking extra care.

Change gears smoothly.

Try not to jerk the clutch.

Caravan Handling

Allow for the caravan being wider than the car.

Do not bump kerb with caravan wheels.

When passing other vehicles, allow more than the normal clearance for driving solo.

Allow longer to get up speed to pass.

Allow for the vehicle being twice its normal length.

Do not suddenly swing out.

Carry out all manoeuvres as smoothly as possible.

Use nearside wing mirror to check caravan has cleared when overtaking.

SITE ARRIVAL

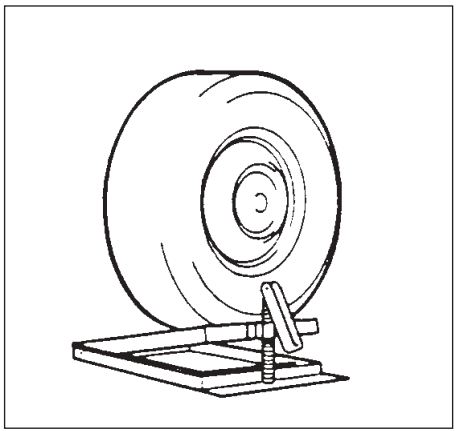
Check Site Regulations

Selecting a Pitch

Carefully select where you wish to place your caravan. The site should be as level as possible, preferably not under or near trees, well drained and away from possible boggy areas. Consider how you will move the caravan when it is time to leave the site. On sloping ground it is better to pitch facing downhill, especially during wet weather.

Lateral Levelling

On uneven ground lateral levelling is accomplished by the use of a leveller jack and a spirit level placed 'across' the caravan floor.



Place the leveller jack, folded flat, in front of the wheel needed to be raised to level the axle.

Tow the caravan onto the leveller jack until the spirit level shows that the caravan is laterally level. Apply the caravan handbrake and chock the caravan wheel if necessary. Lower the jockey wheel to ground level.

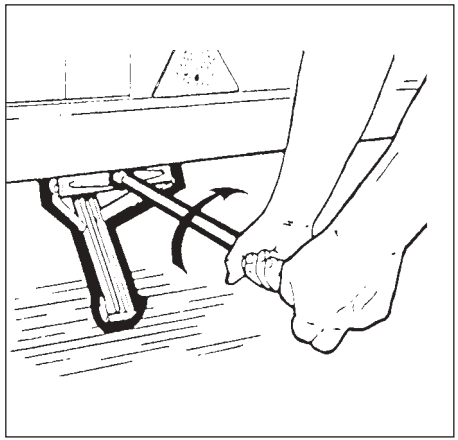
Using the adjustment on the jockey wheel and holding the latch of the locking device, unhitch the caravan.

(On upward facing pitches when the hydraulically damped drawbar of the hitch becomes fully extended, it will be necessary to compress the drawbar slightly in order to achieve a 'clean' unhitching). With the caravan brake on, reverse the towing vehicle about 1 inch (2.54cm) to release hitch lock tension and using the jockey wheel adjustment, unhitch the caravan as previously described.

Fore and Aft Levelling

Place the spirit level 'fore and aft' and, using the jockey wheel adjustment, level the caravan horizontally.

Wind down the corner steadies onto load spreaders (blocks of wood a minimum of 6 inches (15.25cm) square), taking care not to lift the caravan wheels.



Caution: Never enter the caravan without first lowering the four corner steadies with the brace provided.

Corner steadies should not be used as a jacking device.

It is important that the caravan is correctly levelled to ensure the correct working of the refrigerator, cooker etc.

Parking on a Reverse–Sloping Site or Steep Hill

For successful parking on a reverse slope or steep hill, the operator need only apply the handbrake with one hand while gently but purposely inching the caravan or trailer a small distance backwards with the other.

WARNING

If the handbrake is NOT fully applied to the last tooth (i.e. vertical) and is set to some lesser position than the full vertical, then problems will almost certainly arise after the trailer has been uncoupled from the towing unit.

CONNECTING SERVICES - WATER

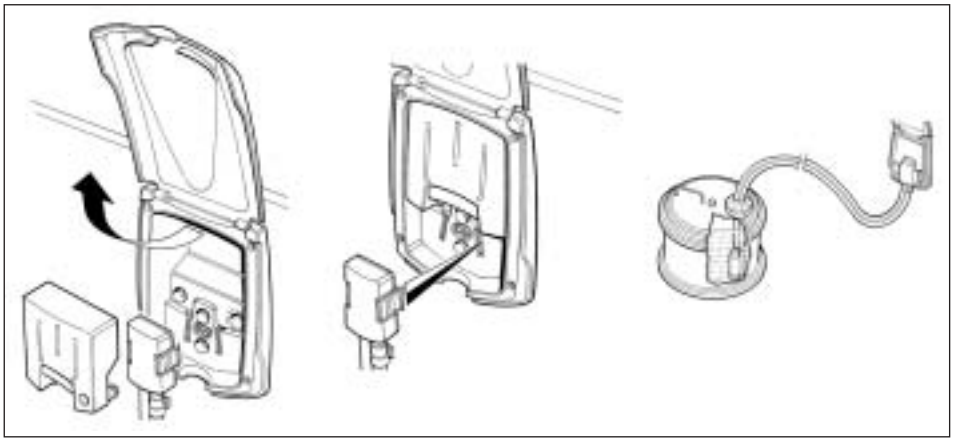
WATER

Your caravan will be fitted with either a Carver Compact or a Carver Crystal 3 water system. To determine which model you have, please refer to the equipment chart contained in your Owner's Information Pack.

Ensure all taps are in the off position and the 12v water pump switch, located on the electrical control panel, is off.

Using a water container (not supplied)

For either water system, fill fresh water container and place in a suitable position. Place waste water container under main drain valve.



Place the submersible pump into the fresh water container, ensuring it is fully submerged before operating the system (see diagram).

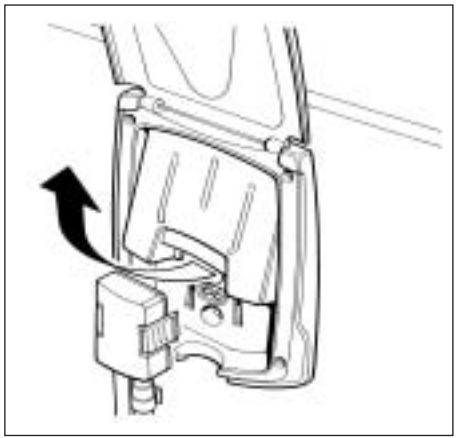
Using the Carver Waterline
(direct connection to mains supply unit)

Connect the Carver Waterline hose to the mains unit on the pitch. (The end without the valve connects to the mains unit).

Carver Crystal 3 Water System
OPERATION

Raise the crystal filter housing lid (see diagram). Clean both the water socket and the power supply terminals for the pump. It is advisable to lubricate the water inlet using vegetable oil (this reduces the friction between the 'O' ring and the plastic surface).

Plug the pump assembly into the housing ensuring that it is pushed fully home .



To remove the pump from the crystal housing, press the two clips in at either side of the pump plug and pull.

Do not remove by pulling the electric cable or the hose.

CHANGING THE FILTER CARTRIDGE

When inserting a new filter cartridge into the housing, smear vegetable oil on the two 'O' rings. (This reduces friction and makes it easier to remove).

It is recommended that the filter cartridge is replaced after 30 days of use.

To remove the filter cartridge pull the tab on the bottom of the filter, which will release the filter from the housing.

Always ensure that the new filter cartridge is pushed fully home into the housing.

CARVER COMPACT

Connect the fresh water hose directly to the Carver Compact inlet.

Finally put the "pump" switch on the control panel to "on" and turn the cold tap on until water flows.

Prior to operation of the water heater, ensure water is flowing from hot tap.

DRAINING DOWN YOUR WATER SYSTEM.

It is essential that you drain down your caravan water system when it is not in use. This is most important during winter months to protect against from frost damage.

1. Disconnect the water pump and switch off the power supply.

2. Open the safety drain valve on the water heater located next to the water heater.

3. Open all taps and remove all plugs from sinks and showers. Lever-operated taps should have the lever put into the up position.

4. Where fitted, open the internal drain valves.

5. Open the drain outlets on the outside of your caravan.

6. If an inboard water tank is fitted, ensure that the drain tap on the tank is open.

7. Adjust the level of the caravan to ensure that the drain outlet is at the lowest point of the caravan. This will aid the flow of water to ensure that all water is drained off.

8. After 30 minutes, level the caravan and prepare it for storage if necessary.

CONNECTING SERVICES - GAS

GAS

Your caravan is designed to operate using either propane or butane liquefied petroleum gas at 30m/bar. Gas can be obtained from your caravan dealer.

Your caravan is designed to accept a maximum 2 x 7.5kg gas bottles.

TYPES OF GAS

Butane

Butane is supplied in the U.K. in Green or Blue bottles.

All these have a male left hand thread except for Camping Gaz, which has a special female right hand, Calor, 7.5 kg and 15 kg bottles have a special clip-on connection.

Continental bottles usually have a male left hand thread which is similar, but not identical, to UK butane.

Butane is suitable for use at temperatures down to 2ºC but will not work below that.

Propane

Propane is supplied in red, or partly red bottles which have a female left hand threaded connector.

Scandinavian countries use the same connector.

Germany or Austria supply propane with a male connection.

Propane will work at temperatures as low as –40 ºC and is therefore suitable for all winter caravanning.

CONNECTION

Make sure that heating and cooking appliances and gas cylinders are switched off.

Ensure that the correct regulator for the gas chosen has been connected to the gas bottle.

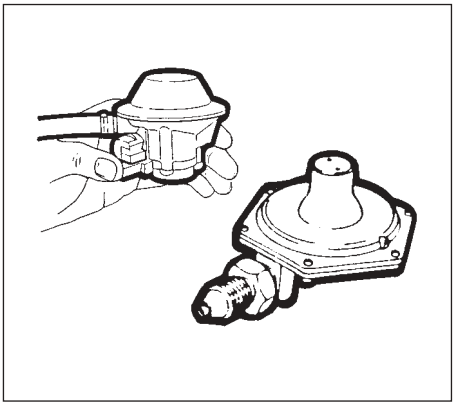
The regulator is a governing device which adapts the bottle pressure to one that suits the equipment in the caravan.

It is recommended that the regulator valve should be fitted with an over-pressure release valve to 150m/bar.

Note: Regulator valves should always be in the 'OFF' position when towing.

Hoses

Low pressure flexible hoses with a maximum length of 700mm should be fitted between the pressure regulator and the rigid pipework.



Hoses should be made from Neoprene, which is black, and should conform to BS 3212. Rubber hosing should never be used.

It is strongly recommended that a jubilee clip is used to secure the hose to the rigid pipework, in order to prevent accidental removal.

GAS SAFETY ADVICE

Regularly check flexible gas hose, joints and connections for tightness. Finally, make sure that each gas appliance is working efficiently to the recommendations of the appliance manufacturers.

FACTS ABOUT LPG

LPG is not poisonous.

Bi-products are harmless.

LPG is dangerous if all air and oxygen is excluded.

(Ventilation holes must be clear at all times).

LPG has been given a smell by the manufacturers in order to identify leaks.

The gas is heavier than air and therefore sinks to the lowest point.

WARNING:

Aerosols and highly flammable liquids must not be stored in the compartment behind, or adjacent to, any gas appliance.

Some industrial LPG appliances operate at high pressure and require a 'high pressure' regulator. This often has an adjusting handle on it. NEVER use such a regulator on a caravan.

Awning Spaces and LPG Appliance Exhaust

There is no danger of pollution of an enclosed awning space from the LPG exhaust from a refrigerator venting into it.

Space heaters may produce sufficient exhaust to pollute the awning space, if it is totally enclosed, from a general comfort, smell and hygiene point of view. In extreme cases there could be a build up of carbon dioxide to a dangerous level.

Caravan owners are advised to allow some fresh air circulation in the awning space when such appliances are in use.

Please ensure that, when you fit your awning to the side where the water heater flue is fitted, there is sufficient ventilation in the awning to take account of the exhaust and condensation created by the flue.

PRECAUTIONS

a) Never look for a leak with a match. Always use a soap solution or its equivalent when testing connections. Do not operate any electrical apparatus whatsoever, especially light switches. If the leak is not obvious, the caravan should be evacuated and qualified personnel consulted.

b) Avoid naked flames when connecting or changing a cylinder.

c) Check the flexible hose frequently.

Roof-Mounted Flue installations

All flue installations should be inspected for corrosion throughout their length at least once a year . Flues should be replaced if any sign of perforation is found. Ensure that the replacement is of an approved type.

CONNECTING SERVICES - ELECTRICITY

ELECTRICITY

MAINS SUPPLY

Your caravan's main electrical installation is designed to run on a 230v 50hz AC supply.

On arrival at caravan site

1. Before connecting the caravan installation to the mains supply, check that:

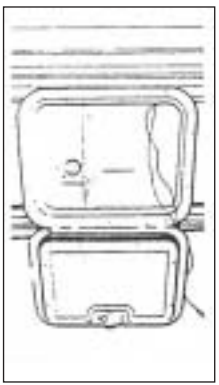
(a) the mains supply is suitable for your installation and appliances, i.e. whether it is AC or DC and whether it is at the correct voltage and frequency.

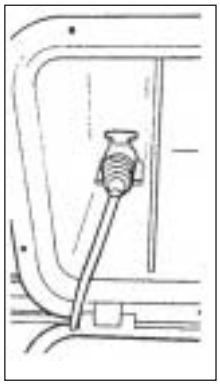
(b) your installation will be properly earthed. Never accept a supply from a socket outlet or plug having only two pins, or from a lighting outlet.

(c) any residual current device (earth leakage circuit breaker) in the mains supply to the caravan has been tested within the last month.

In case of doubt, consult the site owner or their agent.

2. **MAKE SURE THAT THE SWITCH AT THE SITE SUPPLY POINT IS OFF AND THAT ALL ELECTRICAL EQUIPMENT IN THE CARAVAN IS SWITCHED OFF.**





3. Remove any cover from the electricity inlet provided on the caravan, and insert the connector of the flexible supply cable obtained from the site owner.

4. Remove any cover from the socket outlet provided at the site supply point, and connect the plug at the other end of the supply flexible cable to this. Switch on the main switch at the site supply point.

Note: If you wish to use any 12v appliances, you must turn on the battery charging unit on the control panel.

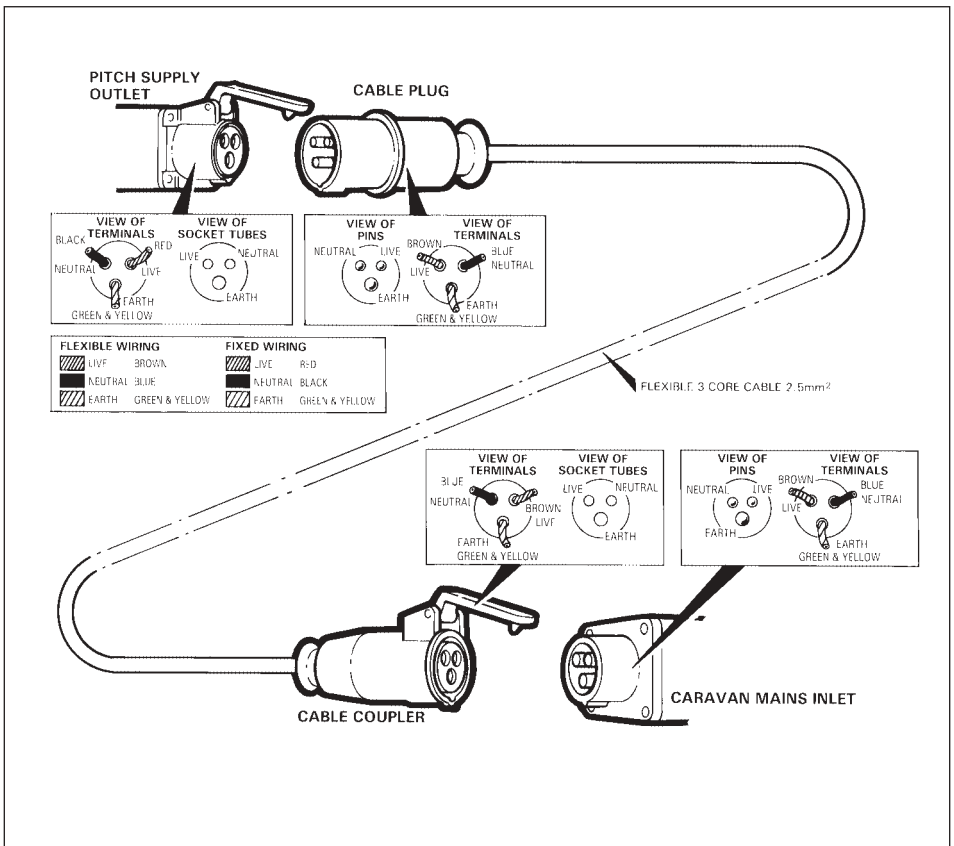
IN CASE OF DIFFICULTY, CONSULT AN APPROVED ELECTRICAL INSTALLATION CONTRACTOR (WHO MAY BE THE LOCAL ELECTRICITY BOARD). IT IS DANGEROUS TO ATTEMPT MODIFICATIONS AND ADDITIONS YOURSELF.

LAMPHOLDER-PLUGS (BAYONET- CAP ADAPTORS) SHOULD NOT BE USED UNDER ANY CIRCUMSTANCES .

ON LEAVING CARAVAN SITE

5. Reverse the procedure described in Paragraph 3 and 4 above.

IT IS IMPORTANT THAT THE MAIN SWITCH AT THE SITE SUPPLY POINT SHOULD BE SWITCHED OFF, THE FLEXIBLE SUPPLY CABLE DISCONNECTED, AND ANY COVER REPLACED ON THE SOCKET OUTLET AT THE SITE SUPPLY POINT. IT IS DANGEROUS TO LEAVE THE SUPPLY SOCKET OR FLEXIBLE SUPPLY CABLE LIVE.



6. Preferably not less than once a year, the caravan electrical installation should be inspected and tested, and a report on its condition obtained, as prescribed in the Regulations for Electrical Installations, published by the Institute of Electrical Engineers.

Note: Connection to a mains voltage supply OVERSEAS requires particular attention.

Care must be taken when connecting supplies abroad since the supplies can be of **REVERSE POLARITY**. The significance of **REVERSE POLARITY** is that when equipment is switched off, it may not be electrically isolated.

The only certain way of making equipment safe is to unplug it.

A means of checking the polarity of the mains supply when overseas is useful.

There are available several proprietary makes of equipment for the purpose.

If it can be achieved, it is preferable to connect live to live, and neutral to neutral to maintain full electrical protection.

CHECK all caravan equipment is set-up to accept the site supply before actually switching on.

CONNECTING SERVICES - ELECTRICITY

MAINS UNIT

The Mains Unit replaces the conventional fusebox. Similar, but larger ones are often fitted in new houses.

The unit gives overload and earth leakage protection for the 230v electrical supply in your caravan.

For normal operation all switches on the unit need to be in the ON position. The switches on the left of the unit are known as MCBs (miniature circuit breakers).

These take the place of the conventional fuse but are more convenient.

In the event of a fault the MCB 'trips' i.e. automatically moves to the OFF position.

After elimination of the fault the MCB can be re-set by switching to the ON position. (Against the spring pressure in an upwards direction).

If an earth fault develops, or a person was to touch a live piece of equipment, the leakage of current to earth should immediately operate the RCD (residual current device) and 'trip' the main switch, to the OFF position.

This switch is only re-settable after elimination of the fault.

To re-set, operate the switch as for MCBs.

Periodically the RCD should be checked by operating the test button marked 'T'. The unit should immediately switch to the OFF position. If the unit does not switch off then a qualified electrician should be consulted.

If the unit does switch off, the test is complete and the switch can be re-set restoring the supply back to normal.

Note:

It is possible that all of the 230V mains electrical equipment may not be able to be operated simultaneously. A typical UK caravan site mains hook-up point provides a maximum output of 10 amps and on some continental sites the available output may be as low as 5 amps. If your loading exceeds the site supply it may trip the site circuit breaker. Please check the available mains output with your site operator.

The following items need to be added together if used simultaneously.

230V Mains equipment typical consumption figures:

Fridge	0.50 amps
Charger	0.50 amps
Water heater	2.75 amps
Blown air heaters	4.80 amps
Colour TV	2.50 amps
Microwave	10.00 amps
Air conditioning	4.00 amps

12V ELECTRICAL SUPPLY

N.B. The information provided in this Guide relating to fitted equipment is only intended as a quick reference. Comprehensive details of maintenance and fault finding charts where appropriate can be found by referring to the accompanying manufacturers literature. If any doubts still exist about the operation of the equipment qualified personnel or your caravan retailer should be consulted.

Your caravan will be fitted with either a ZIG, Power Centre II or BCA Leisure charging and power distribution unit.

ZIG X7/X8 CHARGING UNIT & POWER SUPPLY

The Zig is a fully automatic battery charger, connected to a six-cell lead acid battery (not supplied) with a nominal voltage of 13.8 volts, the unit will charge and re-charge the battery by raising the terminal voltage to equal that of the output of the battery charger. As the battery voltage increases the input current from the battery charger automatically reduces until it ceases to flow. This provides fast and efficient battery charging and eliminates the possibility of overcharging , unless the battery is at fault.

The charger is designed to charge 12V lead acid type batteries, the capacity of the battery must not be less than 60 ampere hour. (The bigger the battery the better.) Should the battery contain a faulty cell, the terminal voltage will not rise sufficiently to switch the charger off and the battery will eventually boil dry. The most common cause for cell failure is discharging the battery below the recommended level of approximately 10V.

Please note that any drop in voltage coming in will reduce the output.

It is recommended that you fit a sealed-for-life battery.

WARNING:

Under no circumstances should a fuse of different size or rating be fitted. Should a fuse blow for any reason, the fault must be diagnosed before replacement.

CONNECTING SERVICES - ELECTRICITY

WARNING:

Always disconnect the electrical connector between the towing vehicle and the caravan before connecting a mains supply to the caravan and before charging the caravan battery by any other means.

THE POWER CENTRE II SYSTEM (P.C.II)

The function of the Power Centre II (P.C.II) is to control and protect the caravan's 230 volt AC mains circuits, and provide 12 volt charging and distribution circuits. The P.C.II can be found behind the space heater in each caravan. Housed within each P.C.II unit are:

An all-electronic battery charger/power supply.

Automatic selection relays.

12 volt fuse block & mains RCD with 2 MCBs.

Access to the operation of these devices is gained by lifting upwards the transparent plastic door on the unit .

The power supply can be removed from the P.C.II by removing the fuses and then the front cover (4 cross headed screws) and unscrewing the 4 battery charger fixing screws. The 12 volt +ve and -ve connections simply pull off.

A built in battery charger in conjunction with a 12 volt battery supplies the 12 volt circuits via the DC output fuses numbered 2-6. Output is via the 12 pin and 15 pin sockets.

Caution!

- As with all types of transformer/power supply, a certain amount of heat is generated. This will vary with the charge rate, therefore adequate space and ventilation must be provided and maintained around the unit to aid cooling.
- Keep all flammable materials and aerosols well away from this appliance and other sources of heat, as this could cause the pressure in the aerosol to rise. Should a seal then fail it is possible an explosion will ensue.

Caribbean
Buccaneer
Buccaneer
Caribbean

CONTROL PANELS

Electrical Control Panels

Your Explorer Group Touring caravan will be fitted with one of the following electrical control panels.

Avanté and Corona

Odyssey and Omega

Crusader and Rallye

AVANTÉ AND CORONA

Your new Avanté or Corona caravan will have fitted the following control panel.

The right hand control panel operates the water pump by pressing the switch-marked pump down. Whilst the pump is running the bottom neon light marked pump run will illuminate. The top neon light will give a battery condition reading when the power is switched on. A green light indicates that the battery is fine this will change to amber and then red as the battery discharges. This unit also contains a 12v socket and TV aerial connection. To the left of this control panel is mains 230v socket. The Avanté and Corona are also fitted with a 12V master switch, which is positioned near the exterior door.

ODYSSEY AND OMEGA

Your new Odyssey or Omega caravan will be fitted with the following control panel.

The control panel operates the main 12V system via the master switch. This switch is in the on position when the I symbol is depressed. It also gives a voltage reading for the battery when the master switch is in the on position.

The pump switch when in the on position indicated by the I symbol will allow the submersible pump to run and provide water to the taps and shower unit.

CRUSADER, BUCCANEER AND RALLYE

Your new Crusader, Buccaneer or Rallye caravan will contain the following control panel.

The Centre control panel operates the main 12V system via the master switch. This switch is in the on position when the "I" symbol is depressed. It also gives a voltage reading for the battery when the master switch is in the on position.

Space Heater and Water Heater controls

Single axle models.

The pump switch when in the on position indicated by the "I" symbol will allow the submersible pump to run and provide water to the taps and shower unit.

Twin axle models

These are fitted with an additional inboard water tank switch and will be marked water. When this switch is depressed it will change the needle display to show the level of water in the water tank. These are also fitted with a 3-position switch for the pump control. In the top position the water can be fed from the outside pump to fill the water tank. In this position the taps and shower will not work. The middle position is off totally. The bottom position switches on the internal pump to feed the taps and shower.

Space Heater and Water Heater controls

This unit contains both the controls for the Ultraheat space heater and the Ultrastore water heater.

Full details on how to operate the Ultraheat space heater and the Ultrastore water heater are contained in the contained in in the Truma manuals supplied within your Owner’s Information Pack.

TRUMA ULTRASTORE WATER HEATER

This water heater features a dual source system of water heating, powered by Liquid Petroleum Gas or 230V mains electricity. For a faster heating-up period the appliance can be simultaneously operated with gas and electricity. The holding tank has a capacity of 10 ltrs.

WARNING:

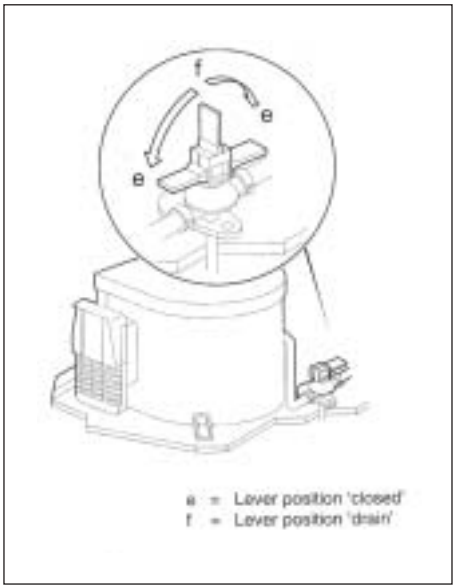
Always fit the cowl cap when the water heater is not being operated. If there is any risk of frost and preferably each time you leave the site, the water heater should be drained leaving all taps open. Frost damage is not covered by the warranty.

The system may be fitted to a mains water supply with special adaptors, which include a pressure reducer which does not allow pressure to exceed 2.8 bar.

During the initial operation of a brand new appliance some fumes are normal. These should soon disperse if the caravan is well ventilated.

Filling the Truma Ultrastore

1. Check the safety/drain valve in the cold water intake is closed. The lever should be in the horizontal position ((e) see diagram).



2. Set the hot tap in either the washroom or kitchen in the open position.
3. Switch on the power for the water pump.
4. Leave the tap open to let air escape while the water heater is filling. The heater is full when water flows freely from the tap.
5. It may be necessary to adjust the pressure switch on the water system.

N.B. If only the cold water system is being used, the heater tank will still be filled with water and to avoid frost damage it should always be drained as described below.

Draining the water heater

1. Disconnect the water pump and switch off power supply where appropriate.
2. Open all hot and cold water taps.
3. Open safety/drain valve and leave in vertical position (f).
4. The water heater will now drain directly to the outside. If towing, it is useful to leave the drain valve open as movement of the caravan will help to ensure that the system is completely drained.
5. Ensure that if a water filter is fitted that this is also drained as well as any water left in the submersible pump.

WARNING:

Water may be hot enough to scald.

WATER HEATER SYSTEM

Full details of how to operate your water heater are explained within the Truma Handbook contained within your Owner's Information Pack.

MAINTENANCE

The water heater should be serviced annually during the routine caravan service.

Repairs

Repairs should only be carried out by qualified personnel as the warranty will be void if unqualified persons attempt repairs. Only original Truma parts should be used.

De-scaling

Introduce wine vinegar into the water system and allow time for it to react with the scale then flush out thoroughly with fresh water.

Hygiene

The water tank in the Truma Ultrastore is made of high quality stainless steel, however, in order to avoid colonisation of micro-organisms the tank should be heated up to 70ºC (with electrical heater) at regular intervals. Water from the hot tap should not be used for drinking.

Fuses

The water heater fuse is on the electronic control unit on the heater.

IMPORTANT Only replace the miniature fuse on the p.c.b. with a fuse of the same type: 1.25 AT EN 60127-2-3 (slow action).

Safety

There is no danger of exhaust gas pollution in awning spaces from water heaters which vent into them but it is advised that fresh air circulation should be provided and any window immediately above the flue outlet should be kept closed.

Please ensure that, when you fit your awning to the side where the water heater flue is fitted, there is sufficient ventilation in the awning to take account of the exhaust and condensation created by the flue.

WARNING

Water heaters (as with other appliances) should be turned off and gas cylinder valves closed whilst the caravan is in motion.

Sterilising the system

At the start of the season or if the caravan has not been used for some time, sterilise the water system thoroughly by preparing about 10 litres of water, containing a sterilising agent made specially for the purpose. This should be available from your Explorer Group retailer. When an on-board tank is fitted, ensure that sufficient mixture is prepared to fill the whole tank.

DO NOT use domestic bleach, camden tablets or sodium metabisulphide.

Pump about half of the solution through the system, opening all taps in turn and leave for not longer than 30 minutes. Pump the remainder through. Drain the water heater and water tank (if fitted) then pump at least 18 litres of fresh water through the system again, opening all taps in turn, then drain again.

Similar attention should be paid to the hygiene of the external water container and submersible pump and hose used to draw off water.

DO NOT use water which has stood in a water container for any length of time and do not use garden hoses for filling tanks.

Water filter (where fitted)

Replace the in-line filter cartridge with a new one after sterilising the water system. On no account should the old cartridge be used again as the sterilising agent will have saturated the filter bed.

After fitting the new filter flush the system for around 30 seconds to remove any loose particles of carbon. It is recommended that a new filter is fitted at the sart of each season after sterilising the system and again after approximately 30 days usage as the filter becomes less effective after this period.

On no account should the old cartridge be used again as the sterilising agent will have saturated the carbon bed.

TAPS

KITCHEN TAPS.

Your new Explorer Group Caravan will be fitted with the Reich Kama mixer tap.

OPERATION

For correct operation of the tap swivel the spout to the desired position over the sink. Lift the control lever to activate the pump and allow water to flow simultaneously. To adjust the temperature, swivel the lever to the left to increase the temperature and to the right to reduce the temperature.

PLEASE NOTE

A.The water temperature could be very high so do not lift the lever with the tap turned to the full left position.

B.For winter storage and to prevent frost damage the tap swivel must be the left in the centre up position.

BATHROOM TAPS AND SHOWERS.

CRUSADER, RALLYE, OMEGA & ODYSSEY

The Crusader, Rallye, Omega and Odyssey are fitted with the Reich Kama mixer tap with retractable shower.

OPERATION

The taps are operated in the same manner as the Kitchen tap.

PLEASE NOTE

A. The water temperature could be very high so do not lift the lever with the tap turned to the full left position.

B. For winter storage and to prevent frost damage the tap swivel must be left in the centre up position.

EXCHANGE OF THE CERAMIC

CARTRIDGE/MICRO-SWITCH

KAMA

Single lever mixer tap

1. Detach cover (1) carefully. If the cover is damaged, use spare part.
2. Loosen screw inside the handle (2)
3. Detach the handle (3)
4. Turn out the rosette (3)
5. Turn out the brass nut with spanner (4)
6. Pull out the ceramic cartridge (5)
7. If the cartridge is defective:– Remove the brass ring (6) from the top of the cartridge. Install a new ceramic cartridge. Make sure that the cartridge is in the right position.
8. If the micro-switch is defective:–Pull the wire out of the mixer. Detach the micro-switch. Install a new micro-switch.
9. Install ceramic cartridge, brass ring, brass nut, rosette and handle in the opposite way.

AVANTÉ AND CORONA

The Avanté and Corona caravan will be fitted with either the Whale Elegance tap and shower combination tap or (those models with tip-up sink basins) a separate Whale Elegance tap and Whale Elegance shower unit.

OPERATION

These taps are operated by turning the separate hot and cold taps. To get the desired water temperature turn on both hot and cold taps.

PLEASE NOTE

A. When only the hot water tap is turned on the temperature of the water can be very high.

B. For winter storage the taps must be left in the fully open position.

MICRO-SWITCH REPLACEMENT

The micro-switch on the Whale taps can be located by removing the base plate by undoing the 4 fixing screws. The micro-switch can then be replaced by following the Whale instructions contained in your Owner's Information Pack.

CLEANING OF ALL TAPS

It is recommended that a non-abrasive damp cloth be used for cleaning the Elegance taps and showers.

PRESSURISED WATER SYSTEM

Pump

Fresh water is supplied to the caravan from an external water container by the Carver Crystal Filter System, which consists of a socket located near the battery box, on the offside of your caravan and a separate plug-in pump assembly. The socket is protected by a hinged lid which should be kept shut when the pump is not connected. The lid is easily opened by gripping the lower edge and pulling outwards. The separate plug-in pump assembly consists of a submersible pump, hose and plug. The plug provides connection to both water supply to the caravan and 12 volt DC electric power to the pump. A dust cover is fitted to the connecting dual hose to prevent contaminants falling into the water container.

Pressure Switch

In most modern caravans the water system is pressurised. When a tap is closed pressure of water builds up in the system. At a predetermined level, the pressure will operate a “pressure switch” which, in turn, will stop the pump running. Opening a tap will reduce the pressure and the pump will start running. At normal flow rates the submersible pump should operate continuously - but at low rates the pressure switch will cycle on and off to maintain back pressure in the system, an adjustment to the switch’s diaphragm sensitivity is required. This also may be required, usually because the power supply voltage has varied by more than ± 0.5 volts. The possible causes are:

1. Battery drainage through normal use.
2. Setting the switch when on mains electric supply (typically 230 volts) then using a 12 volt battery.
3. Setting the switch when on 12 volt battery then using mains electric supply (230 volts).

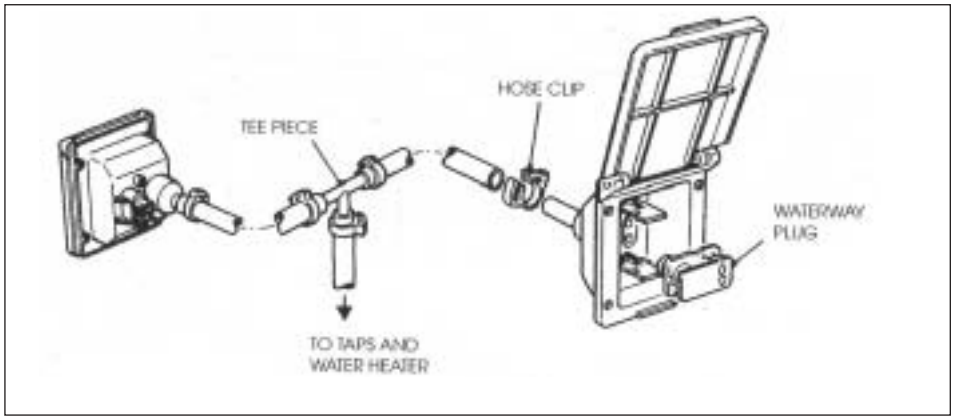
To adjust the pressure switch:

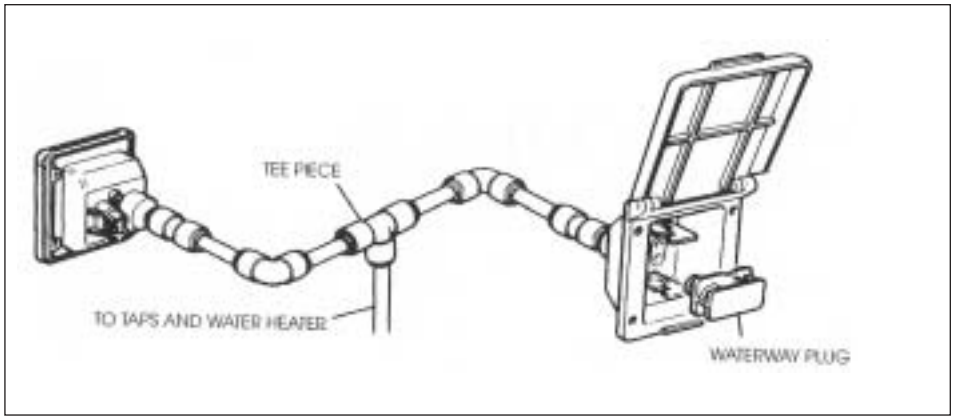
1. With the system properly primed, close all taps and showers.
2. Leave the pump run switch (located on the 12 volt distribution panel) turned on.
3. Tighten the adjusting screw clockwise. The pump should now be running.
4. Partly open one cold tap to allow water to flow at about 1 pint in 15 seconds.
5. Slowly loosen the adjusting screw, by turning anti-clockwise, until you can hear the micro-switch start to click. The diaphragm will then be properly adjusted.

PRESSURISED WATER SYSTEM

NOTES

1. Never allow the pump to run DRY. Always ensure that the pump is submerged in the water or the life of the pump will be reduced.
2. Do not allow the pump, the water container or the water system to freeze in the winter. Always drain the system at the end of the season.
3. Clean the water system at the start and the end of the season with a sterilising fluid, e.g. Chempro SDP or similar. Then flush the system through with clean water for approximately 30 seconds.
4. If the pump fails to deliver water, the most likely cause will be air in the system. Switch off the pump and shake the pump assembly in the water. Then switch on again.





WATER FILTER SYSTEM

CARVER CRYSTAL 3 FILTER SYSTEM

The Carver Crystal 3 Filter is designed to bring water into your caravan in a convenient and efficient manner. The system includes a special two-stage filter which removes unpleasant tastes, smells and colouring to give clear, fresh tasting water.

The first stage is a filter screen which retains small solids. The second stage is a bed of silverised activated carbon, which removes chlorine tastes and smells, etc. This is done by absorption and by mechanical filtration reducing algae and bacteria. Bacteria retained are then destroyed by the silver content. This action also prevents bacteriological growth in the filter.

The Carver pump is detached from the crystal housing for security and whilst touring.

CHANGING THE FILTER CARTRIDGE

When inserting a new filter cartridge into the housing, smear vegetable oil on the two 'O' rings. (This reduces friction and makes it easier to remove.)

It is recommended that the filter cartridge is replaced after 30 days of use.

To remove the fiter cartridge, pull the tab on the bottom of the filter, which will release the filter from the housing

(see diagram).

Always ensure that the new filter cartridge is pushed fully home into the housing.

STERILISING

When cleaning the water system at the start of the season it is recommended that a new filter cartridge is fitted.

WINTER USE

If caravanning in the winter there is a possibility that the water in the outside container will freeze, therefore please discuss with your retailer the fitting of a winterisation kit.

CARVER COMPACT

On the Compact Water Filter System Housing, raise the lid, clean both the water socket and the plug of the pump assembly. Plug the pump assembly into the socket. Turn the top security clip anti-clockwise and the bottom security clip clockwise to lock the plug in place.

Place the pump into the water container, ensuring that it is fully submerged before operating the system. A dust cover is available to stop contaminants falling into the water.

DO NOT REMOVE BY PULLING THE HOSE OR ELECTRIC CABLE.

HOW TO USE A WATERLINE WITH THE INBOARD WATER TANK.

1. Place the pump switch on the control panel to the 0 position.
2. Place tap next to the tank into the centre position. See diagram below.

3. Connect waterline to water inlet on side of caravan.
4. Turn on waterline
5. While the waterline is in use the pump switch on the control panel must remain in the 0 position.
6. Ensure that you return the tap next to the tank to the inline position when you wish to return to using the inboard tank.

EQUIPMENT

REFRIGERATOR

Your caravan is fitted with either a refrigerator or a refrigerator/freezer combination.

FOR FULL OPERATIONAL INSTRUCTIONS FOR YOUR PARTICULAR FRIDGE, REFER TO REFRIGERATOR MANUFACTURER'S INSTRUCTIONS USUALLY FOUND IN THE APPLIANCE.

When the caravan is on tow, the refrigerator should be operated electrically, i.e. from the 12v battery in the towing vehicle and not by means of the bottled gas.

The refrigerator can be run on either 230v, 12v or LP gas. Changing between these modes of operation is carried out by means of the controls shown on the relevant control panel on the fridge.

CAUTION!

Only use one source of energy at a time.

OVEN, HOB & GRILL

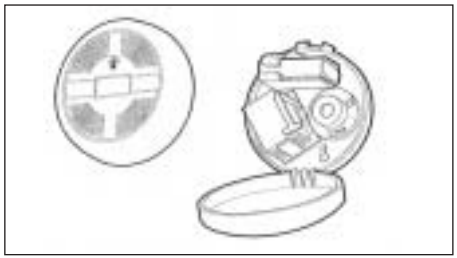
Your caravan is fitted either with a hob and grill or an oven with a hob and grill.

FOR FULL OPERATIONAL INSTRUCTIONS, REFER TO OVEN OR HOB & GRILL MANUFACTURER'S INSTRUCTIONS USUALLY FOUND IN THE APPLIANCE.

WARNINGS!

1. Caustic pastes, abrasive cleaning powders, coarse wire wool and hard implements will damage the surface.
2. All pans should be mounted centrally over the burners, even when cooling, to protect adjacent walls.
3. Do not lower hob cover until hobs have cooled.
4. Glass lids may shatter when heated. Turn off all burners and grill before shutting the lid.
5. Accessible parts may be hot when the grill and oven are in use. Young children should be kept away.
6. Do not use grill or oven as a space heater.

SMOKE ALARM



The smoke alarm fitted to your caravan is approved for use in caravans and motor homes.

The National Caravan Council (NCC) requires that all new or used touring caravans sold by its members be fitted with a smoke alarm featuring an alarm silence facility.

WARNING!

Test smoke alarm operation after caravan has been in storage, before each trip and at least once per week during use.

NOTE: A different smoke alarm to the one illustrated may be fitted (subject to availability) but it still meets the criteria above.

For further information on use of the alarm, battery replacement, testing, etc., refer to the manufacturer's literature contained in the Owner's Information Pack.

SPACE HEATER

Your caravan is fitted with a Space Heater

.

FOR FULL OPERATIONAL INSTRUCTIONS FOR YOUR SPACE HEATER, REFER TO MANUFACTURER'S INSTRUCTIONS FOUND IN THE OWNER'S INFORMATION PACK. IT IS STRONGLY RECOMMENDED THAT THESE INSTRUCTIONS ARE READ THOROUGHLY BEFORE OPERATING THE APPLIANCE.

WARNING!

Aerosols and highly flammable materials must NOT be stored in the compartment behind or adjacent to the heater.

Some Explorer Group caravans have been fitted with a facility to provide warm air heater to the awning. Full details of how to provide this facility are contained within your Owner's Information Pack. Please note that having the awning warmer open when no awning is present will affect the performance of the rest of the blown air system.

SONATIC GAS LEVEL INDICATOR

Some Explorer Group caravans are fitted with the Sonatic gas level indicator. Full operating instructions are contained within your Owner's Information Pack.

THETFORD CASSETTE TOILET

Your caravan is fitted with a cassette toilet.

FOR FULL OPERATIONAL INSTRUCTIONS, REFER TO THE CASSETTE TOILET INSTRUCTION MANUAL IN YOUR OWNER'S INFORMATION PACK.

WARNING!

- Cold Weather Use – to prevent freezing during cold weather use, add anti-freeze to the toilet system fresh water tank. Use a non-toxic (propylene-glycol) type of anti-freeze. Refer to chart on container to obtain level of protection.
- Warmer weather or longer intervals between emptying the waste tank may require additional toilet fluid. Use only Thetford toilet fluid to achieve the best results.

Caution: Never add toilet fluid directly into toilet bowl.

- Do not use strong household detergents or cleaners that contain chlorine, solvents or acid contents.
- High Altitude and Hot Weather Use – with large temperature differences and changing heights during towing, over pressure can start to build up in the waste holding tank, causing contents to splash upward upon opening the valve blade if opened too fast.

EQUIPMENT

AIR CONDITIONING (Where Fitted)

BLIZZARD 1500 AIR CONDITIONING UNIT

Starting and Function Selection

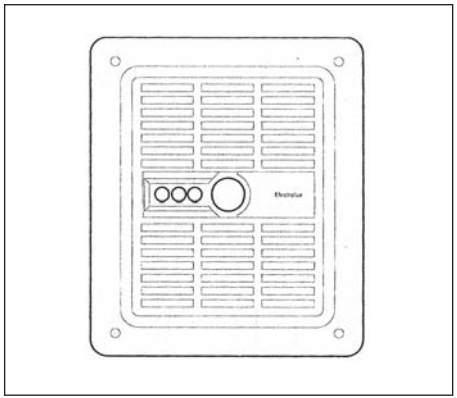
1. Internal temperature control thermostat.
2. Two speed fan switch.
3. On button (push to ON position).
4. To increase the cooling from the unit, turn the red/blue control knob to the blue section. To reduce the cool air, turn towards the red sector.
5. Push button '3' to switch OFF (release to OFF position).
6. To adjust airflow direction pull down the front brown vent from a small flap located in its centre.

ATTENTION!

Never obstruct the air inlets and outlets.The air conditioning compressor runs during the refrigerating phase, if switched on and off at once it may get damaged. Therefore it is very important to wait at least 3 minutes before attempting to switch it on again.

WARNING!

Never place your hands or other objects within the air inlet openings.



MAINTENANCE

To ensure trouble-free running it is recommended that the unit be cleaned once or twice a year by a qualified service agent.

Demount the external cover, clean the heat exchangers (evaporator and condenser) with a brush or compressed air. Remove any dirt.

Check that water trap holes are not clogged.

N.B.18ºC is the minimum temperature that the thermostat is set to for the air conditioner to start its cycle.

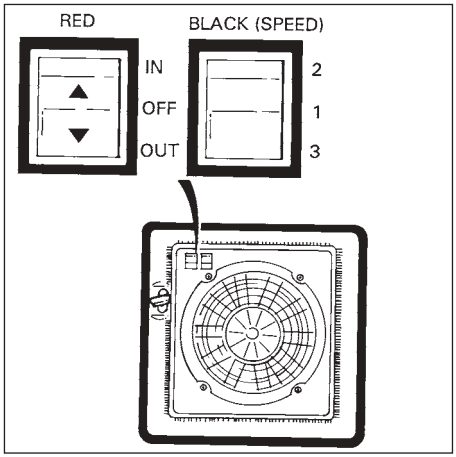
ROOFLIGHTS

Your caravan is fitted with at least one type of rooflight.

THE OMNIVENT (12V) ROOFLIGHT

The Omnivent is a double-glazed rooflight constructed from a synthetic ultra-violet screened material. Its side-operating mechanism allows a completely free central opening with built-in fixed ventilation when closed.

Note: When the fan cover is in the closed position, it will automatically shut off the electric motor.



THE HEKI 2 ROOFLIGHT

1. To open to the tilted position:

a) Press the knob in the toggle catches on either side of the glass and turn through approx. 90°. b) Grasp the metal bar in the middle, snap it out of its holder, swivel down and press the glass dome upwards. (Glass dome is held by the two gas springs after approx. 150mm). c) Swivel the metal bar towards the glass dome and snap into its holder. d) To close the glass dome, proceed with steps (a–c) in reverse order.

2. To open in the intermediate position:

a) Open the toggle catches on either side of the glass (see 1a). b) Grasp the metal bar in the middle, snap it out of its holder, swivel down and press the glass dome outwards. (Glass dome is opened automatically after approx. 150mm by the two gas springs.) c) Open both fasteners and swivel the metal strap toward the intermediate position and pull the glass dome down until the metal strap is stopped by the fasteners. d) To close, proceed with steps (a–d) in reverse order.

3. To open in the ventilation position:

a) Open the toggle catches on either side of the glass (see 1a). b) Using both hands on the two toggle catches, press the glass dome up about 2cm and fasten the toggle catches in the corresponding setting. c) To close, proceed with steps (a–b) in reverse order.

4. Closing the blinds:

a) Take hold of the end rod (without rocker) in the recessed grip and engage in the opposite end rod (with rocker). **Caution:** In extremely bright sunshine, the blackout blind must only be closed two-thirds, and the pane must be set in the ‘continuous airing’ position. b)Select the required position (black-out/flyscreen) by moving **both** joined end rods together.

5. Opening the blinds:

a) Move blind (end rod with rocker) right to the outside.

b) Hold the recessed grip with one hand; with the other hand, press the rocker and move the blind back (do not let it recoil).

- **Do not stand on the acrylic glass dome**
- **Close HEKI 2 completely before moving off**
- **Do not leave your caravan when HEKI 2 is open**
- **Please consult your supplying dealer if you have any problems or defects**
- **Remove any snow/ice or dirt before opening the roof**
- **Do not open when it rains or when there is a strong wind**

CARE INSTRUCTIONS

Clean the acrylic glass pane with soap suds and plenty of water, or use the Seitz special cleaner.

Use talcum to care for the rubber seals.

Only use water and mild soap suds to clean the blinds.

The 12 month guarantee becomes null and void if these instructions are not followed.

EQUIPMENT

BLINDS AND FLYSCREENS

Blinds

Pull blind down by its centre catch. Do not pull down by one side of the blind. This will inevitably lead to problems. Do not allow blinds to spring back freely. Always control them by hand.

Flyscreens

To operate the flyscreen, either pull the screen fully down, fully up or across, dependant on type of window fitted. To release – if a cross bar is fitted, gently pull the crossbar downwards towards you and allow the tension of the spring to roll up the flyscreen. Where a cross bar is not fitted, disconnect from the blind catch and release gently.

It is recommended that blinds are in the open position whilst the caravan is moving.

Winterisation

The blind/flyscreen should not be left in the down position throughout the winter as the memory of the mechanism may be lost.

Door Flyscreen (if fitted)

The exterior door flyscreen can be opened or closed from both inside and outside of the caravan and does not restrict door openings. When opening or closing the door flyscreen use the finger grip provided which is near the centre, do not use the top or bottom as this will cause snagging of flyscreen fabric and uneven running.

N.B. Again, as with the blind and flyscreen cassettes, DO NOT allow the flyscreen to be released uncontrollably, as this will cause damage to the mechanism. Also, take care not to trap your fingers.

NOTE

Your caravan may be fitted with flat fitting Seitz windows. The window catch is fitted with a security button and to open the window this button needs to be pressed in before the catch can be turned.

GAS BARBECUE POINT

Your caravan may be fitted with a gas barbecue point.

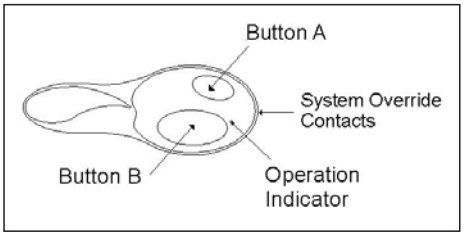
The gas barbecue point, when fitted, is situated on the nearside towards the front. This point is for use with a gas barbecue only.

Simply lift up the flap, unplug the red plastic end cap and connect the appliance in accordance with the gas barbecue manufacturer's instructions.

CAUTION! Do not use a gas barbecue inside the awning. ALWAYS use the appliance in the open air.

EXPLORER PROTECT
SECURITY SYSTEM OPERATION

Arming the system (On)



Exit and always securely lock the caravan.

Press once the large button (B) of the systems handset. The handset will transmit a coded radio signal and the red light on the handset will illuminate to indicate operation.

The security system will emit one audible tone.

The red light, located on the system receptacle will illuminate (On) for 30 seconds while the system goes through a self-test procedure.

The system will enter an armed state (On) and the system receptacle red light will begin flashing to indicate the system is armed (On) and will remain flashing to act as a visual deterrent. Entry into the caravan will now activate an alarm condition.

Arming the system (On)
Excluding interior movement sensor (Off)
If people or pets are to remain in the caravan when the security system is to be armed (On) (at night for example) then the system will have to be part armed. This will delete the interior movement sensor to avoid any alarm condition being detected. However, when part armed, the security systems leg sensor will still detect an alarm condition and the personal attack alarm will also be available.

Press the large button once (B) of the systems handset. The red light on the handset will illuminate to indicate operation.

The system will emit one audible tone.

Immediately press and hold button (B) again.

The system will emit one further audible tone, immediately release the button (B).

The system will now part arm (On).

Note: the interior movement sensors red indicator light will still illuminate to indicate operation, but the sensor will be deleted (Off). The next time the system is armed (On) the interior movement sensor will be restored.

Disarming the system (Off)
Press the large button (B) once on the systems handset. The red light on the handset will illuminate to indicate operation.

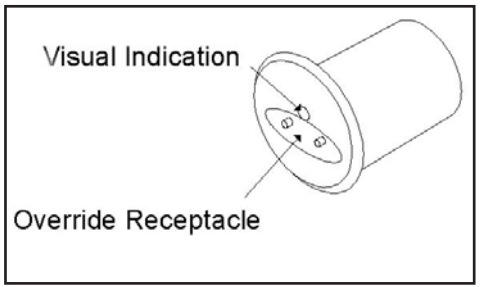
The system will emit two audible tones.

The red light located on the systems receptacle will extinguish (Off). The caravan porch light will courteously illuminate for approx 30 seconds. Entry into the caravan WILL NOT cause an alarm condition.

Personal Attack Alarm (Panic)

For your personal security the Explorer Protect security system provides a personal attack / panic alarm only when the system is armed (On). To activate the attack / panic alarm simply press the small button (A) once when the system is armed (On). When activated it causes an alarm condition for 30 seconds, then automatically stops. The attack / panic alarm can be cancelled (muted) if activated in error by simply pressing once the small button (A) on the system handset.

The System Touch key



The security system can be operated, switched On/Off manually via the easy to use Emergency Override Facility. A high security data code is transferred when the handset's override contacts are placed against the systems override receptacle located in the caravan. In the event of handset battery failure, use the override contacts to manually operate the system Off.

Disarming the system (Off)

1 Enter the caravan – if the system was fully armed the system will activate an alarm condition.

2 Press the handet override contacts against the system receptacle for approx 1 sec – the security system will now disarm (Off)

Maintenance

Treat all security system components with maximum care, clean only with a dry cloth. Do not allow them to become damaged by moisture or liquids.

Please consult your approved Explorer Retailer for additional and replacement parts and batteries.

EQUIPMENT

TELEVISION & FM RADIO AERIAL

The Status omni-directional aerial is fitted to most ranges.

OPERATING THE SYSTEM

1. Plug one end of the fly lead into the rear of your television and the opposite end into the television aerial socket.
2. Ensuring that you have an electrical supply to your caravan, switch on the aerial power pack (located in a top locker near to where the aerial is situated) and the LED will light.
3. Check that the gain control switch on the power pack is set to normal – 'NML'. This may be adjusted depending on the local television transmissions.
4. Turn on the television set and tune in. This may be necessary at all new locations.

Interference Problems & Possible Remedies

1. Weak TV Signal – This produces a 'snowy' picture which can be caused if you are far away from the TV station or if there is a building or hill between you and the station blocking the signal. Each TV station has a defined service area where the strength of the signal is adequate to give a good reception. Beyond this boundary of the service area is a 'fringe' area where the signal will be weaker thus giving a poor quality picture. The sound from the signal is not usually affected unless the signal is very weak.

Remedy – Check the gain control on the power pack is set to 'NML'. Check that your signal is not due to a broken or disconnected lead or poor co-axial plug connections.

2. Strong TV Signal – This produces a herringbone pattern type of interference which is caused when you are close to a transmitter or picking up a strong radio transmission from another source.

Remedy – Switch the gain control on the power pack to 'LO'.

3. Ghosting – This is produced when the TV signal is reflecting from a building or landmark in your locality creating a double or 'ghost' image of the picture.

Remedy – If possible try to move to a better position away from the obstruction. Generally the higher the position, the better.

4. Electrical Interference – This type of interference is commonly caused by domestic electrical appliances, such as fans, electric shavers, fluorescent lights, inverters, chargers, etc.

Remedy – Turning off the offending appliance should help.

Removing the Aerial

If there are severe height restriction problems the aerial may be removed leaving only the mounting footplate.

1. Unplug the co-axial 'in' plug from the power pack.
2. Loosen the two grub screws with an Allen key.
3. Lift off the aerial dome whilst carefully feeding out the co-axial cable with the plug attached.
4. Push the opaque blanking cap into place to cover the central hole to protect from the elements.
5. To replace the aerial, simply reverse the above procedure.

Some Explorer group products are now fitted with a seperate radio aerial in order to improve FM radio reception. Where this aerial is fitted it should be fully extended to achieve the best result. **Please ensure that it has been fully retracted before towing your caravan.**

Full details of the Status Directional Arial are contained within the Owner's Information Pack.

BEDS & BUNKS

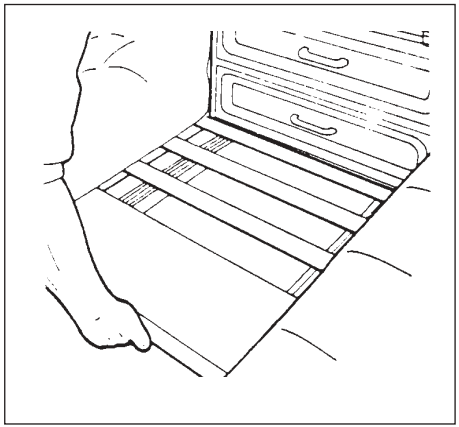
FRONT DOUBLE BED

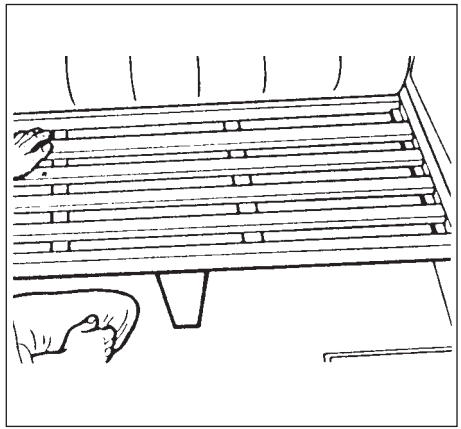
The two front single beds can be easily converted into a double bed by pulling out the bed slats, stored beneath the chest of drawers or stored in the bed slat box at the front of the caravan. Arrange seat cushions appropriately.

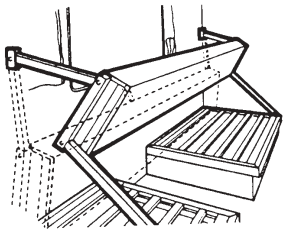
On L-shaped layout, the bed frame is pulled out from underneath the rear-facing seat. Arrange the seat cushions appropriately.

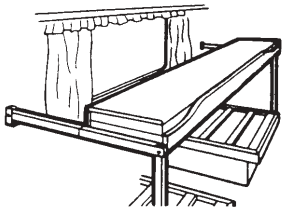
All high level beds will take a maximum weight of 12 stone (76.5kg). When in use, the high level beds must have the bunk safety boards in place as shown in diagram 4.

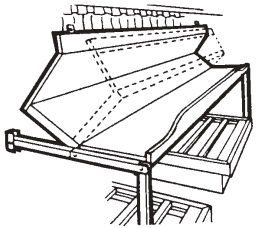
Touring Caravans have to be manufactured with a lightweight construction and therefore the beds are not designed to be knelt, sat or stood upon without all the bed cushions in place.

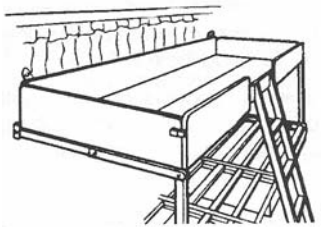








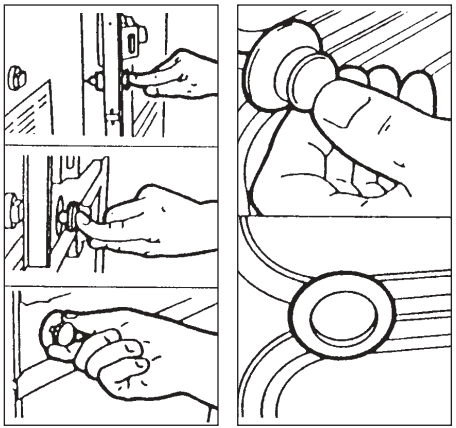




EQUIPMENT

DOORS

The exterior door can be secured to the side of the caravan by pushing the button as illustrated. Release by turning in the direction shown.



To comply with European Standards, the exterior door lock must not be replaced with a double dead lock.

The shower room door is fitted with a two position push button lock. Push once to lock. Push again to release.

Windows.

Your caravan will be fitted with either the Polyplastic pronounced window, the Seitz flush window, or both.

Polyplastic Window Opening.

In order to open the Polyplastic window it is only necessary to move the catch upwards and release the catch from the backing plate.

Seitz Window Opening

In order to open the Seitz window you must depress the button on the catch before moving the catch. Failure to do so will lead to the catch breaking.

This section of the guide is devoted to the care, cleaning and general preservation of your caravan in order to retain its showroom condition.

CLEANING

Under no circumstances should an abrasive or harsh cleaner be used. Do not use a pressure wash as this can disturb mastic seals.

Exterior Painted Body Part of the exterior of your caravan, usually the side walls, is acrylic finished aluminium, which is extremely durable and easy to clean. It is recommended that a proprietary brand wash and wax shampoo with plenty of cold water is used.

GLASS FIBRE REINFORCED PLASTIC

GRP is a light, durable and astonishingly tough constructional material which can be fabricated into all manner of products. It may be translucent, opaque or coloured, flat or shaped, thin or thick.

The exposed surface of a GRP component on a caravan is always a gel coat surface. This gives the laminate its colour and surface finish. The gel coats used are made to the highest standards to give optimum performance in gloss retention and UV stability. GRP components need to be washed, waxed and taken care of like a car. Chemicals and dirt can collect during storage, and the gel coat can be stained or marked when chemicals combine with rain or dew. Most stains or marks can be removed with mild dishwashing detergent, but more stubborn marks may require a (fine grit) rubbing compound such as T-cut.

To help keep your GRP components looking almost like new, it is wise to wash the parts monthly (or more frequently) using mild dishwashing detergent, but avoid using strong alkaline (e.g. tri-sodium phosphate) or acidic cleaners or abrasives. Waxing the components once or twice a year with a good grade paste wax will help to maintain the colour and finish.

A significant benefit of using GRP components is the ability to repair most scratches or damage that may be inflicted upon the panel. GRP components are tough, but like any other products they can be damaged. Excessive pressure or impact to the face or reverse of the component can cause the gel coat to crack. This does not mean the entire panel is damaged and the standard industry method of dealing with such a crack is to apply a minor repair.

Any scratches or nicks that occur in normal use can usually be removed with rubbing compound. If the scratch is too deep, then (fine grade) wet sandpaper may be used followed by rubbing compound and finally wax.

One of the characteristics of GRP is the way light may be transmitted through the component. If the component is viewed from the gel coat side it will appear opaque and of a solid colour. However, if viewed from the reverse side with a strong light source behind the laminate, some light will be transmitted. This is normal for components of this thickness.

Under no circumstances should alcohol, spirit or solvent-based liquids be used on GRP or plastic panel as these substances may react with the material and cause visible damaged

ACRYLIC WINDOWS

Your caravan is fitted with shatter resistant acrylic windows. To preserve their clarity and unblemished transparency it is essential that the following cleaning instructions are strictly adhered to:

Road grit, dust, sand, flies, lime tree secretions, bird droppings etc., should be ‘swilled off’ using plenty of cold water. Any remaining dirt should be washed off using a soft cloth and warm water. Under NO circumstances should any abrasive cleaning agents, household detergents or proprietary cleaning fluids be used.

Wash the window again using only cold water and dry off with a chamois leather.

CARE OF YOUR CARAVAN

Note: Should scratches appear on the acrylic windows these can often be removed with an acrylic polish, i.e. ICI perspex polish. Gentle polishing with a liquid metal polish, i.e. Brasso may also have the desired effect – consult your retailer BEFORE attempting to remove any but the slightest scratch.

Interior Walls

Your caravan interior walls are finished with a vinyl coating and will only require a wipe over with a damp cloth, using a mild detergent, to keep them in a 'showroom' condition.

Furniture

Treat your caravan furniture as you would the furniture in your home. Polish wood surfaces sparingly with a good quality wax or spray polish. Use a damp cloth to clean melanate laminated surfaces.

Carpets, Upholstery and Curtains

Vacuum clean carpets and upholstery to ensure a long life. Marks on cushions can be removed using a mild upholstery shampoo with the minimum of water. Curtains — check the manufacturers' label for washing instructions.

Shower Room and Wash Basin Fittings

These should be cleaned using a non abrasive household cleaner.

Always put the cold water into the hand basin before adding the hot in order to preserve the finish of the thermoplastic formed basin.

WATER SYSTEMS

The water systems, and in particular storage tanks, in caravans are susceptible to contamination by bacteria if care is not taken with their use and cleaning. The symptoms caused by bacterial contamination are not purely limited to gastro-intestinal diseases, but may also manifest themselves as ear, nose, throat, eye or skin infections. It is therefore important that you carry out the following procedure prior to using the caravan each time, even if you boil or filter all water you use for drinking.

CONTAINERS

1. All water remaining in the container should be disposed of so that the container is empty. (If the container is an onboard tank, it should be removed is possible).
2. The outside of the container should be thoroughly cleansed and washed down to remove any dirt, dust or other contaminant. Water at a suitably hot temperature containing an appropriate detergent is recommended for this purpose.
3. Water should be put into the container, swirled round, then emptied out.
4. The container should then be totally filled with water containing an appropriate disinfectant/sterilant solution and allowed to stand for the recommended contact time (e.g. Milton for 15 minutes).
5. The solution should be emptied from the container.
6. The opening of the container should be cleaned thoroughly with an appropriate pre-prepared wipe impregnated with a disinfectant/sterilant.
7. The container should be inverted whilst stored overnight (if possible).
8. The container must be filled with mains water only and mains water only should be used for the above cleaning procedure.
9. On no account should garden hoses be used to fill water tanks.

Systems

1. Drain down the system. (Open all taps to allow air in, enabling the system to drain quickly.)
2. Remove any water filters fitted, and replace with a short length of hose or empty filter cartridge (this will ensure the filter is not affected by the disinfectant/sterilant solution).
3. Fill the system by using the pump with a disinfectant/sterilant solution. (Check that the solution at full strength appears at all taps/showers). Allow to stand for the recommended period of time.
4. Drain the system down completely.
5. Thoroughly clean the outside of all taps/connectors with a cloth soaked in the disinfectant/sterilant.
6. Flush the system through with clean drinking water until no traces of disinfectant/sterilant can be detected at any tap.
7. Replace the filter.

Suitable sterilising chemicals are available from your Explorer Group Retailer, accessory shop, chemists, or home-brew shops. It is not, however, recommended to use bleach or sodium metabisulphide.

Storage

If the caravan is to be stored for any length of time, especially over the winter period, the following operations are recommended:

Remove all linens, blankets, cushions, clothes, mattresses, etc. which could be affected by damp conditions. Clean the caravan inside and out as detailed in the previous section.

Drain off the water system.

Ensure all windows, roof lights and doors are correctly fastened. Check fixed ventilation apertures are not obstructed.

Check that the site you have chosen to store the caravan is open, fairly high and dry and if possible not exposed to gales etc. If this proves impossible it is recommended that the caravan chassis is anchored to the ground.

Jack up the caravan (use bottle or screw jack, do NOT use the corner steadies) so that the wheels are clear of the ground. Support the caravan axle with wooden blocks, axle stands or similar so that when the jacks are removed the wheels remain clear of the ground. Lower the corner steadies to ‘just’ site the caravan. Cover the tyres to prevent deterioration. Release the handbrake. Rotate the wheels at regular intervals to maintain wheel bearing lubrication. Grease the coupling and shroud in a waterproof protective cover.

Security: Lowering and locking the corner steadies and removing the wheels reduces the risk of caravan theft.

Note: Do not work under the caravan unless the corner steadies are down and the axle is supported.

Should the caravan be stored for a prolonged period of time it is strongly recommended that the caravan is fully serviced before the commencement of use. Your retailer will ensure that your caravan is safe, secure and ready for your enjoyment.

Note: Caravans stored for any length of time should not have the handbrake or brakes applied. The wheels should be chocked or wedged and the handbrake released. The hitch head should be checked to see that it is fully extended and that there is no load on the braking system.

CARE OF YOUR CARAVAN

DRAINING DOWN YOUR WATER SYSTEM.

It is essential that you drain down your caravan water system when it is not in use. This is most important during winter months to protect against frost damage.

1. Disconnect the water pump and switch of power supply.
2. Open the safety drain valve on the water heater located next to the water heater.
3. Open all taps and remove all plugs from sinks and showers. Lever operated taps should have the lever put into the up position.
4. Where fitted open the internal drain valves.
5. Open the drain outlets on the outside of your caravan.
6. If an inboard water tank is fitted ensure that the drain tap on the tank is open.
7. Adjust the level of the caravan to ensure that the drain outlet is at the lowest point of the caravan. This will aid the flow of water to ensure all water is drained off.
8. After 30 minutes level the caravan and prepare it for storage if necessary.

CORONA
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MAINTENANCE OF YOUR CARAVAN

BPW CHASSIS

MAINTENANCE INSTRUCTIONS

The following maintenance instructions relate to BPW Rubber axles, torsion bar axles, overrun hitches and chassis. They are a constituent part of the warranty conditions. Adhere to the pertinent operating instructions of the vehicle manufacturer or respectively of the other vehicle component manufacturers.

Execution of the maintenance work in accordance with the prescribed intervals is essential in order to maintain the operating safety and roadworthiness of the vehicle.

The elimination of any defects found or the replacement of any worn parts should be assigned to a BPW after-sales service workshop, wherever the vehicle user does not have at its disposal appropriately skilled in-company workers and the necessary technical facilities.

When fitting spare parts only genuine BPW parts may be used, in order that the type approval retains its validity in accordance with national and international regulations.

The type approval lapses if parts used on a vehicle are altered, the properties of which are prescribed, having been clearly established by means of a test procedure or, the operation of which is able to cause danger to other road users. According to Section 19, Subsection 2 of the StVZO (German Highway Code), this applied to axles, wheel brakes and the entire braking system. All essential parts of the wheel brake are defined in the EC test report, complete with BPW drawing numbers. It is not allowed to change these.

BASIC PRINCIPLES

Never overload axles, brakes or chassis

Therefore:

- Do not overload your vehicles in excess of the permissible total weight.
- No one-sided loading as due to this the caravan or trailer will lean to one side. This is particularly so in the case of caravans, where the load should be stowed over the axle and as low as possible to optimize road holding and achieve the best possible braking effect.
- Ensure that wheels and tyres are not overloading so much that wheels are out of alignment or tyres are centrifugally unbalanced.
- No over stressing of the hitch or suspension system due to foolish or aggressive driving or mishandling. Avoid subjecting the axles to any impacts or jolting. Adapt your driving speed at all times to the road conditions and the load condition of the trailer. This applies particularly when negotiating bends.

Operating instructions which should also be adhered to by the driver

- Prior to each run -

INSPECTIONS

- Tyre pressure/tyre condition
- Wheel fastening
- Operation of lighting and braking systems.
- Raise and secure drawbar jockey wheel. The jockey wheel should be parallel to the direction of travel at all times.
- Inspect the hitch. The hitch jaw must fully enclose the ball-head and be locked. Check the coupling head fastenings at regular intervals for firm seating.
- Secure the breakaway cable to the traction vehicle.
- Release parking brake before setting off.

IN THE CASE OF A NEW VEHICLE

- After the first run under load conditions -

- Check wheel bolts for firm seating using a torque wrench.The same applies after each wheel change.

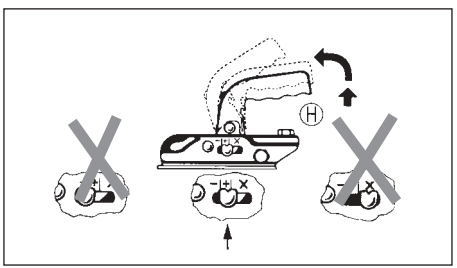
We wish you a safe journey!

HANDLING (OPERATION)

COUPLING AND UNCOUPLING

The trailer hitch (ball-head hitch) on your BPW chassis is design-tested. The maximum load, supported at the coupling point must be complied with and has the added safety feature of “Click On” when fully located on the towing ball.

Lower drawbar jockey wheel to the ground. Reverse the car up to the trailer or, in the case of a small trailer, manoeuvre the trailer up to the car’s trailer coupling.



COUPLING:

Open coupling jaw by pulling lever H vigorously upwards in the direction of the arrow until lever locks open. Lower the opened hitch onto the ball-head vehicle coupling and the lever will automatically release. Closing and locking are carried out automatically.

Connect the breakaway cable and electrical plug to the traction vehicle.

Crank jockey wheel fully upwards and secure. Release parking brake before setting off.

Visual check: the ball-head may no longer be visible in coupled condition.

UNCOUPLING:

Lower the jockey wheel down. Disconnect breakaway cable and electrical plug. Pull lever H vigorously upwards in the direction of the arrow and hold. Wind down jockey and lift the trailer off the ballhead of the traction vehicle.

Then secure the trailer by applying the parking brake.

WS 3000 Safety Coupling

Single-Lever System

The single-lever system, designed by WINTERHOFF for coupling and stabilising, provides for swift, effortless handling:

Coupling

Place the open ball coupling device on the grease-free ball. By exerting downward pressure - in most cases the drawbar load will be sufficient - the ball coupling device and the lock will close automatically.

Stabilising

Continue to push the lever down to the stop to activate the stabiliser

Uncoupling

Slowly pull the coupling lever upwards to deactivate the stabiliser. Continue to pull the coupling lever up and, at the same time, briefly push down the lock to the stop and remove the open ball coupling device, in this position, from the ball.

MAINTENANCE OF YOUR CARAVAN

Maintenance work

1 Check wheel bolts for firm seating - after the first run under load conditions, likewise after each wheel change -

Tighten wheel bolts crosswise using a torque wrench to the tightening torque in compliance with the table.

Tightening torques of wheel bolts

Spanner widths (mm)	Thread	Tightening Torques
17 (19)	M 12x1,5	80-90 Nm
19	M 14x1,5	10-120 Nm
24	M 18x1,5	270-280 Nm

2 Check brake play, if necessary readjust - after the first run under load conditions, then every 2000-3000 kilometres -

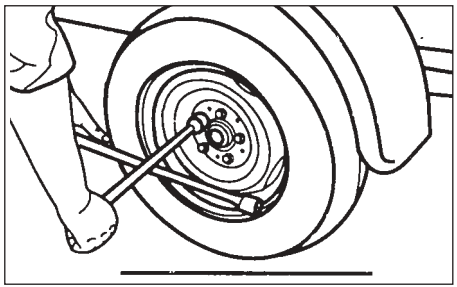
The check is carried out visually on the stroke (x) of the overrun hitch.

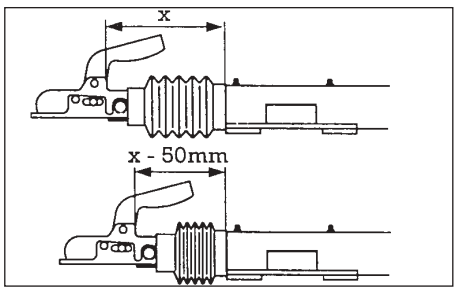
As soon as this reaches more than 50 mm when the brakes are applied sharply, adjust the wheel brakes.

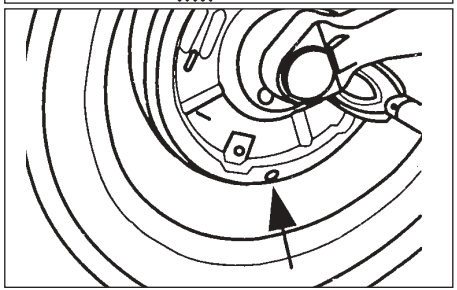
3 Check brake lining wear - every 5000 kilometres -

The brake lining wear is dependent on the style of driving. Careful driving saves brake linings and tyres. As soon as a brake lining has been worn to a thickness of 1 mm, the brake shoe has to be replaced. Stiff or stretched brake springs, the coils of which are no longer closed tightly together, must also be replaced.

For visual check re-insert the plug (arrow) out of the brake plate.







ADJUSTING THE WHEEL BRAKES

- every 2000-3000 kilometres of travel -

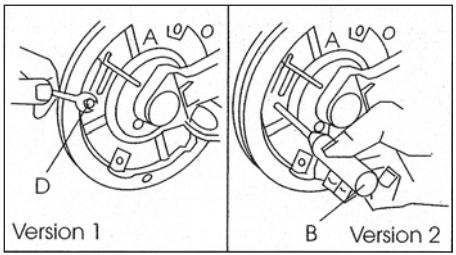
Jack up the trailer. Release the overrun hitch and handbrake lever and brake linkage (free from tension).

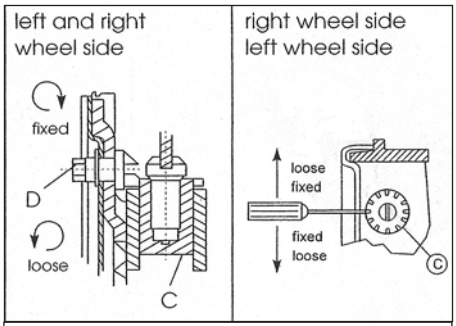
Lock the swivel cams of the wheel brake from the outside by means of auxiliary tool (item A, pin Ø 4 mm) through the tracing bore.

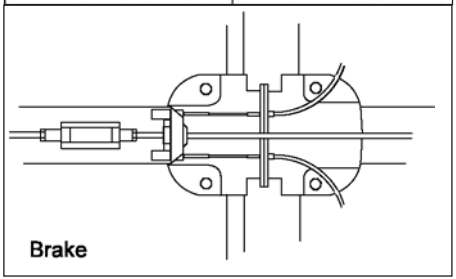
Tighten the adjusting nuts (item C) on wheel brakes with a screwdriver (item B) or a wrench by using the adjusting bolt (item D) until the wheel locks up.

Centre the brake shoes by actuating the parking brake several times.

Version 1: Turn the adjusting bolt backwards until the wheel is running free in direction of travel (approx. 1 full turn of the adjusting bolt).







Version 2: Turn back the adjusting nut by approx. 3–5 teeth until there is no more braking effect when turning the wheel forward.

Check the position of the balance bar with parking brake actuated.

Parallel position of balance bar = identical clearance of wheel brakes.

Readjust the brake adjustment, if necessary.

To test, slightly tighten the parking brake and check identical brake torque on left and right side of wheels.

Remove locking (pin Ø 4 mm) of swivel cams.

Adjust brake rod free from clearance and force. All balance bars must be at right angles to the brake rod.

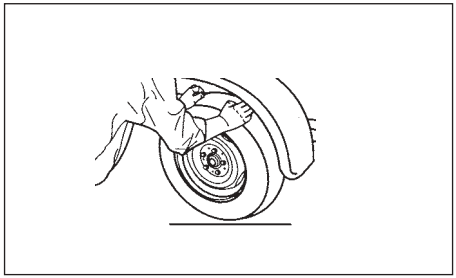
Tighten all counternuts of the brake linkage.

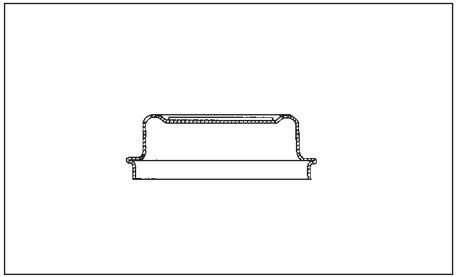
4 **Check lateral play of wheel bearing -every 5000 kilometres -**

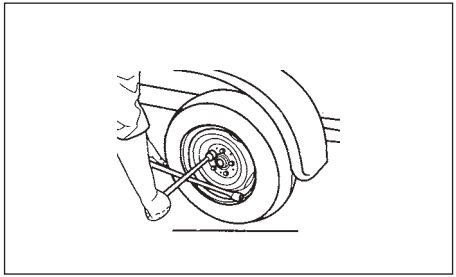
Jack up the trailer, release brakes. Turn wheels manually and shake.

ECO Compact bearings

- every two years -





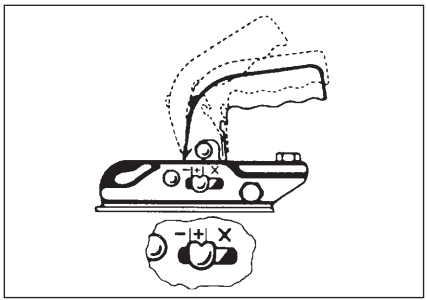


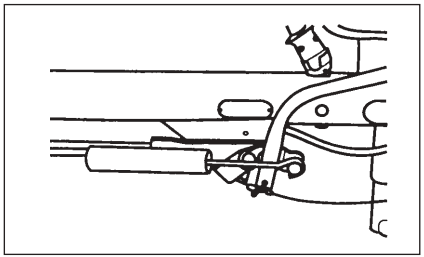
MAINTENANCE OF YOUR CARAVAN

ECO Compact bearings are recognizable by their cylindrical cap shape and the sign “ECO”.

ECO Compact bearings comply with the state of the art. They are maintenance-free due to permanent lubrication and are designed for large mileages.

The brakes are more quickly accessible.





ECO hub bearings are simply extracted by means of the integrated axle nut.

Tightening torque: 280 Nm

(No bearing play adjustment)

If noticeable bearing play is felt, the ECO Compact bearing should be replaced

5 **Check hub caps for firm seating**

- every 2000-3000 kilometres -

Check the firm seating with a screwdriver.

Check coupling head - initially, then every 5000 kilometres or annually.

6 Check coupling head for wear and correct operation.

Check the wear indicator (drive within the “+” range only).

Check the coupling head fastenings (1) at regular intervals for firm seating.

7 Check drawbar, handbrake, lever, spring actuator, deviation lever, linkage and all moveable parts as to movability - initially, then every 5000 kilometres or annually.

LUBRICATION

9 **Lubricate the coupling head - regular intervals -**

Oil the coupling head at regular intervals at the points indicated.

Grease the contact points of the ball of the towing vehicle.

Caution:

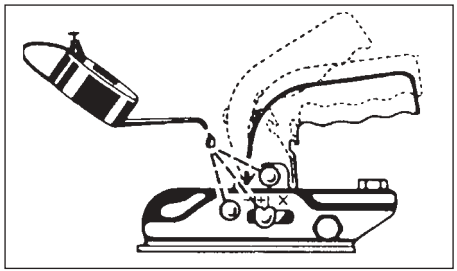
If using a stabiliser lead ie, Winterhoff “WS 3000”) the towing ball must be free of grease and oil.

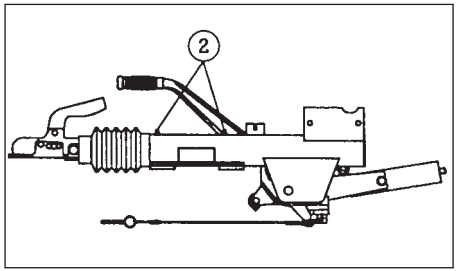
2 **Drawtubes-bushes on the housing of the overrun hitch - initially, every 2000-3000 kilometres, then every 5000 kilometres -**

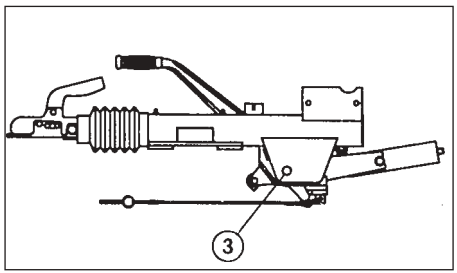
Apply general purpose grease via the grease nipples until fresh grease can be seen emerging by the bushes.

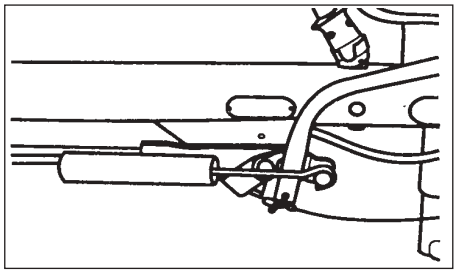
3 **Deviation lever - initially, every 2000-3000 kilometres, then every 5000 kilometres -**

If fitted, apply general purpose grease via the grease nipple until fresh grease can be seen emerging by the bush.





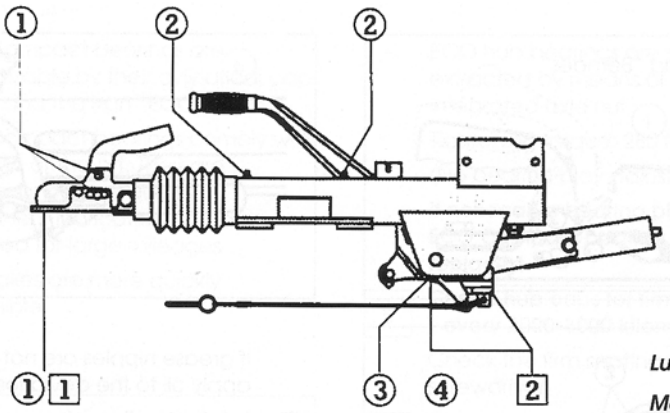




If grease nipples are not fitted, then apply oil to the deviation lever bush.

4 **Lubricate all moving parts and pivot pins at the overrun hitch**

- initially, every 2000-3000 kilometres, then every 5000 kilometres.

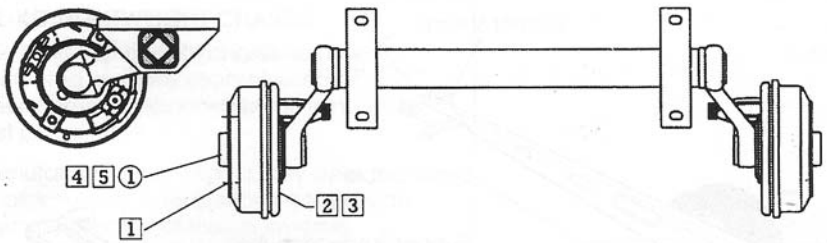


COUPLING HEAD

LUBRICATION AND MAINTENANCE WORK

For detailed description see page 51

Lubricate *Maintenance work*	Initially	Every 2000-3000 kilometres or annually	Every 5000 kilometres or annually	After two years
LUBRICATE				
(1) Lubricate the coupling head	○	○	○	
(2) Drawbar bearings at the housing of the overrun hitch	○	○	○	
(3) Grease the deviation lever		○	○	
(4) Lubricate all moving parts and pivot pins at the overrun hitch		○	○	
MAINTENANCE WORK				
[1] Check coupling head	□		□	
[2] Check drawbar, handbrake, lever, spring actuator, deviation lever, linkage and all moveable parts as to movability	□		□	

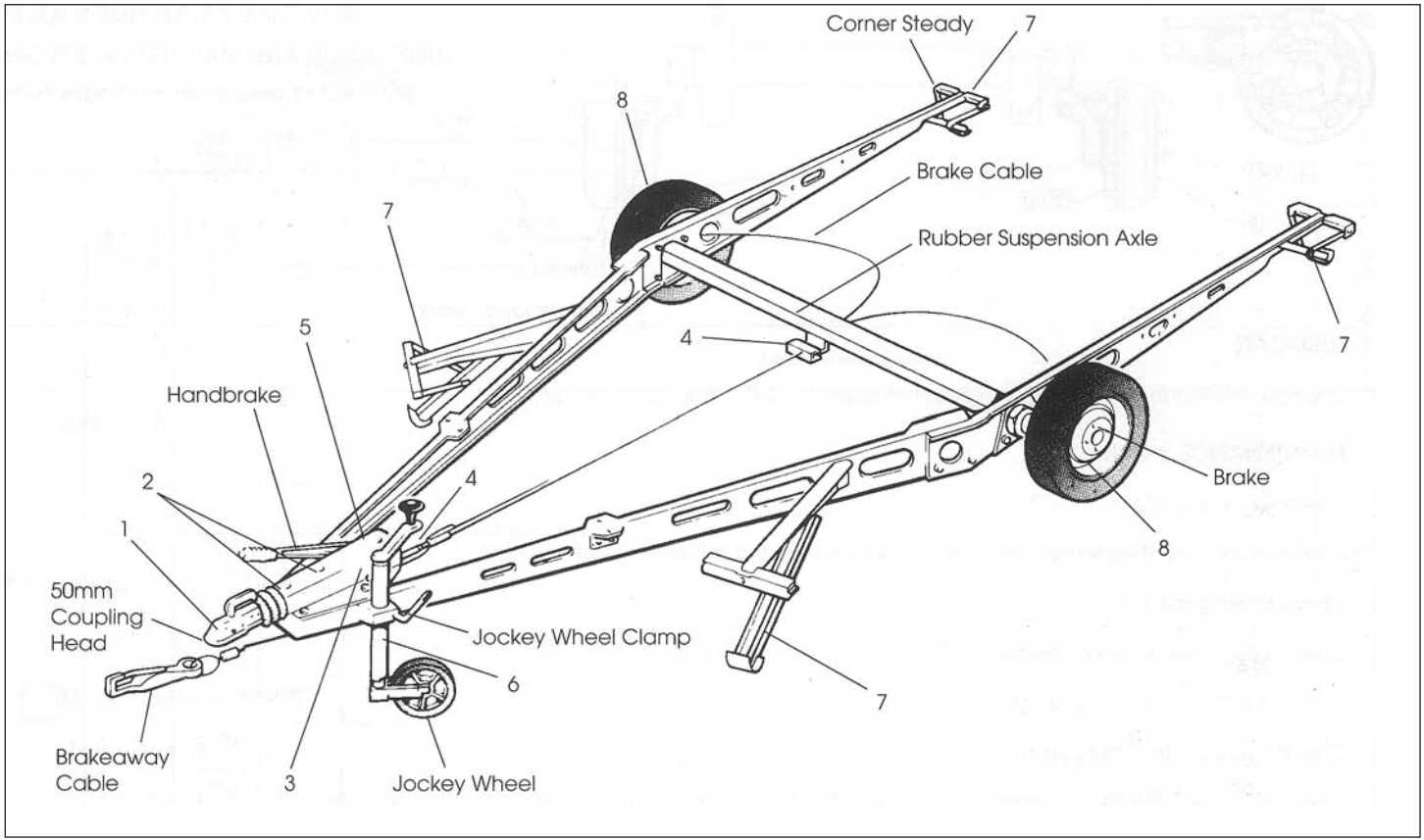


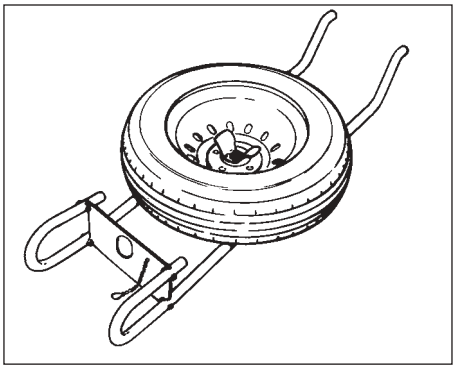
BPW RUBBER SUSPENSION AXLES
LUBRICATION AND MAINTENANCE WORK

For detailed description see pages 46–50

Lubricate *Maintenance work*	Initially	Every 2000-3000 kilometres or annually	Every 5000 kilometres or annually	After two years
LUBRICATE				
(1) Change wheel hub bearing grease (does not apply to ECO compact bearings)				
MAINTENANCE WORK				
1 Check wheel bolts for firm seating	☐			
2 Check brake play. If necessary, readjust wheel brake via the adjustment nut	☐	☐		
3 Check brake lining ear				
4 Check lateral play of wheel bearing			☐	
ECO compact bearings				☐
5 Check hub caps for firm seating		☐		
- Check tyre pressure/tyre condition		☐		

MAINTENANCE OF YOUR CARAVAN





SPARE WHEEL CHASSIS MOUNTED

Each caravan chassis has a set of punched holes immediately behind the axle to enable fitting of a telescopic spare wheel carrier.

The carrier is of extra strong, lightweight construction and zinc plated for all weather protection. It is easy to fit and accepts all conventional wheel sizes.

SPARE WHEEL CARRIER (mounted in the gas locker) On certain models the spare wheel is secured to the front bulkhead inside the front gas locker.

TYRES

Please refer to your caravan specification sheet which is contained within this handbook for information regarding tyre pressures and axle loads.

PRESSURES

It is customary for manufacturers to mark tyres with load and inflation data. This information relates to the use of the tyre on cars. For use on caravans, BS AU50, Part 1, Section, allows for an increase of 10% in load carrying capacity, with a corresponding increase in tyre pressure.

It is dangerous to drive with under inflated tyres. The pressures (cold) recommended by the manufacturers should be regarded as a minimum.

Pressure checks, including those on the spare tyre, should be made with the tyres cold and using an accurate pressure gauge. The checks should be carried out before each journey and at regular intervals during storage. If a jockey wheel is fitted with a pneumatic tyre, the pressure should be 25 to 30psi (1.7 to 2 bar).

TYRE WEAR AND DAMAGE

The legal requirements for tread depth on motor vehicle tyres applies also to caravans. Similarly, it is not permitted to mix cross-ply and radial tyres on the same axle. A redundant tyre must be replaced by one of the same size and construction.

Wheels should be balanced and changed round occasionally to equal wear and prolong the life of the tyres. A tyre should be renewed if a blister, rupture or cut exposing the casing is detected. If the tyre has suffered violent impact (e.g. against a kerb), it should be examined by a specialist as soon as possible.

Note: It is customary for tyre manufacturers to mark tyres with load and inflation data. It is important to understand that this information relates only to the use of tyres on cars. British Standard (BS AU50 Part 1 Section 1) allows for an increase in tyre pressure for caravan use. THE CONCESSION APPLIES PROVIDED THAT SPEEDS OF 100kph (62mph) ARE NOT EXCEEDED.

As from April 1987 the speed limit in the UK when towing a caravan was raised from 50mph to 60mph where permitted.

16.When parking, the handbrake lever MUST ALWAYS be engaged into the fully upright position (90°). This is to compress the spring within the spring cylinder and thereby create an energy store which will automatically engage the brakes further should the caravan move. If difficulty is experienced in this operation, try easing the caravan backwards with one hand while engaging the handbrake fully with the other. This manoeuvre should not be attempted on a rearwards facing slope. In this case wheel chocks should be used combined with the handbrake.

17.Finally, if the road wheels have been removed, re-tighten using a calibrated Torque Wrench to 88 Nm (65 lbs/ft) - on all M12 wheel bolts - in sequence, i.e. North, South, East, West NOT clock or anti clockwise. Remember to over tighten is just as dangerous as to under-tighten, as this can distort the wheel rims. Avoid the use of power wrenches.

IMPORTANT - The torque settings should be re-checked after 50 Km. Wheel bolts should NEVER be lubricated.

Changing a Wheel (Figs. 13 and 14)

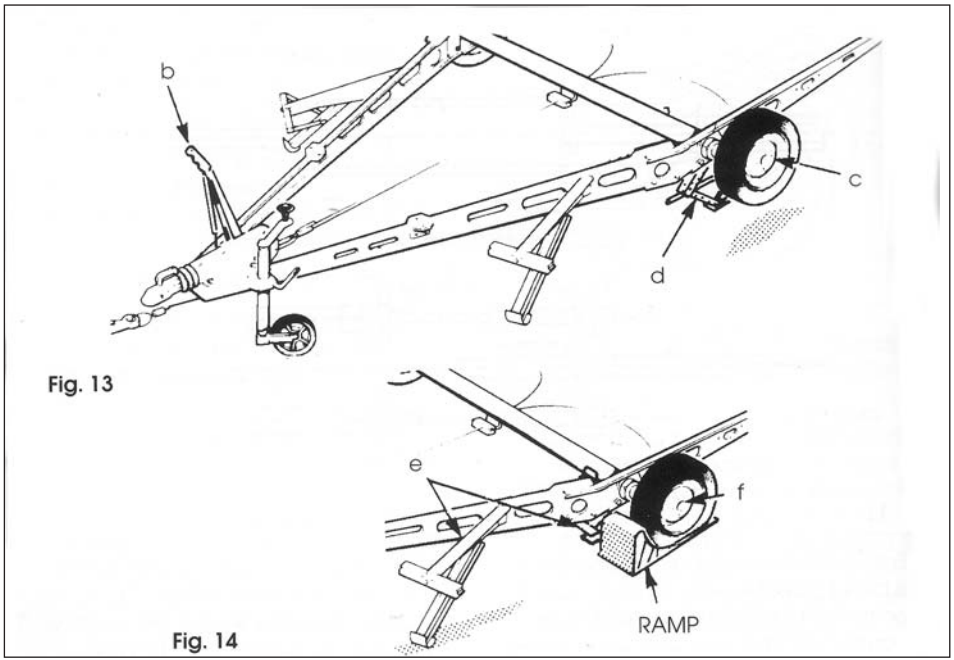


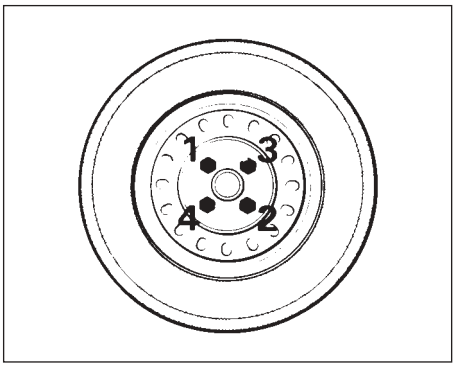
Fig. 13

Fig. 14

The corner steadies must not be used to jack up the caravan. They can be lowered to touch the ground only as a safety measure to stabilise the caravan.

(a) Apply the handbrake fully as for parking.

Do not forget to give the caravan or trailer a slight rearwards push to stop the reversing lever collapsing.



(b) Slacken off the wheel bolts on the wheel to be changed.

(c) Jack up the caravan with the jack under either the axle tube or the axle mounting plate.

Do not use the chassis as a jacking point.

If there is lack of ground clearance because of a flat tyre, gently move the caravan onto some ramping boards.

(d) Support the weight of the caravan on axle stands or ramping boards. Lower the corner steadies.

(e) Remove the wheel bolts and remove the redundant wheel.

Before fitting a new wheel, examine it for distortion or other damage. Ensure that all mating surfaces are clean and dry, including bolt/nut seats.

ALWAYS USE THE CORRECT BOLTS OR NUTS TO SECURE THE WHEEL.

A corner steady brace is not to be used for the next step.

(f) Fit the new wheel and refit the wheel bolts.

After the bolts have been screwed in as far as possible by hand, each bolt should be tightened gradually in sequence. The wheels of the trailer will not rotate during tightening as they are held by rigid by the wheel hub brake unit.

Using an or suitable socket wrench, sequentially tighten the steel bolts to a torque of 9kg/m (65lb/ft) following the procedure shown in Fig. 14. Should alloy wheels be fitted, the steel bolts need to be tightened to 85lb/ft. 11.75kg/m.

(g) Raise the corner steadies. Take the weight of the caravan onto the jack and remove the axle stands or ramp ing boards.

(h) Lower the caravan to the ground.

The torque settings should be rechecked after the first 15 miles of use, and every 3000 miles thereafter.

MAINTENANCE OF YOUR CARAVAN

JACKING

Under no circumstances should the corner steadies be used to jack up the unit.

When it is necessary to jack up, use a bottle, screw or scissor type jack (P/No. 3566858) with axle shaped head is recommended. Place the jack plate under the axle tube as near as possible to the main longitudinal member.

The maximum mass which the jockey wheel and its clamping mechanism are capable of withstanding is:

Part 205678 - 150kg -

Part 205736 - 200kg - Wheel dia. 240mm.

LUBRICATION (FIG. 16)

Lubricate the Jockey Wheel

Lightly oil the wheel axle and screw thread.

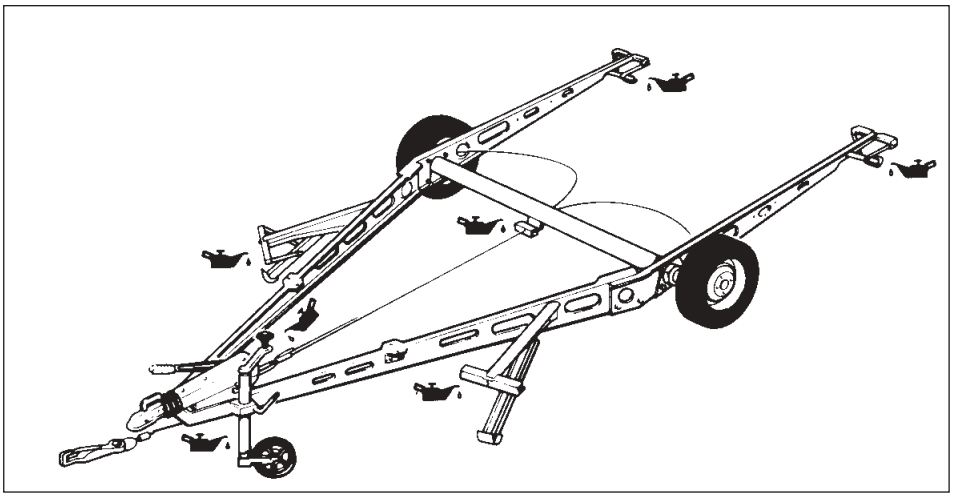
Lubricate the Brake Linkage

Lightly oil all moving parts.

Lubricate the Corner Steadies

Lightly oil the screw and pivot pins.

For more information concerning the chassis and undergear please refer to the BPW handbook contained within your Owner's Information Pack.



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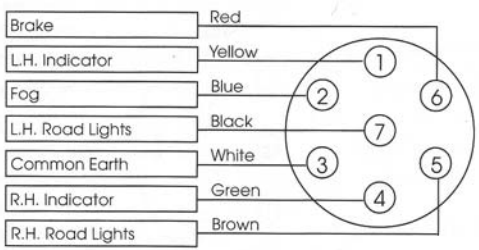
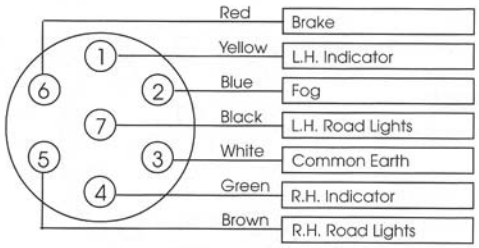
12N & 12S SOCKET & PLUG WIRING DIAGRAM

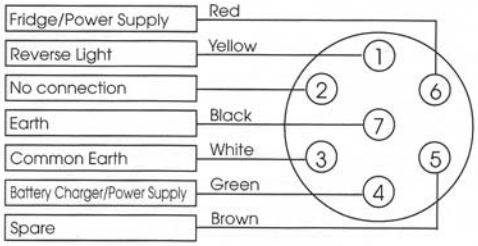


12N (Black) Car Socket

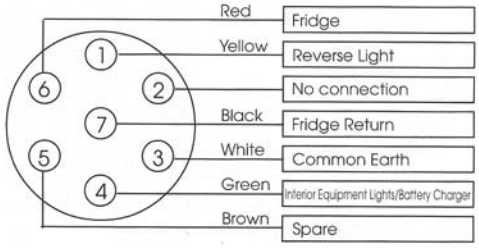


12N (Black) Caravan Plug

View on rear of 7 pin Plug and Socket



12S (Grey) Car Socket

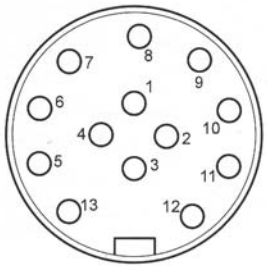


12S (Grey) Caravan Plug

View on rear of 7 pin Plug and Socket

VOLTA/JEAGER & MULTICON FEDER 13 PIN PLUGS

VOLTA/JEAGER



MULTICON FEDER

TUBES ○
PINS ⊕
CONTACTOR STRIPS (

(VIEWED FROM REAR)

PIN NO	COLOUR	DESCRIPTION
1	YELLOW	LEFT FLASHER
2	BLUE	FOG HAZARD LIGHT
3	WHITE	EARTH FOR 1–8
4	GREEN	RIGHT FLASHER
5	BROWN	RIGHT TAIL LIGHT
6	RED	STOP LIGHTS
7	BLACK	LEFT TAIL LIGHT
8	ORANGE	REVERSE LIGHTS
9	BROWN/BLUE	CAR+
10	BROWN/RED	FRIDGE
11	WHITE/BLUE	VAN+
12		NOT YET ALLOCATED
13	WHITE/GREEN	EARTH FOR 9–12

PIN NO	COLOUR	DESCRIPTION
1	YELLOW	LEFT FLASHER
2	BLUE	FOG HAZARD LIGHT
3	WHITE	EARTH FOR 1–8
4	GREEN	RIGHT FLASHER
5	BROWN	RIGHT TAIL LIGHT
6	RED	STOP LIGHTS
7	BLACK	LEFT TAIL LIGHT
8	ORANGE	REVERSE LIGHTS
9	BROWN/BLUE	CAR+
10	BROWN/RED	FRIDGE
11	WHITE/BLUE	VAN+
12		NOT YET ALLOCATED
13	WHITE/GREEN	EARTH FOR 9–12

Elddis
Odyssey
534
Odyssey
Elddis

SERVICING

It is a condition of your warranty that your caravan is serviced once a year by an authorised Explorer Group retailer or service centre. Proof of this will be required in the event of a warranty claim.

Your caravan requires servicing at least once a year for safety, efficiency and to protect the investment you have made. Whether the caravan is used for short trips or continental long range touring, regular servicing is necessary and will ensure continued enjoyment of your holiday home.

Retailers will carry out your annual servicing using the latest techniques and equipment (a list of the items to be inspected, tested and adjusted appears on the Service Vouchers at the rear of this guide), and will complete the service document as proof of regular maintenance.

As with motor vehicle service documents, not only will the proof of regular servicing enhance your caravan's resale value but in the unlikely event of any defect appearing at some later date it is vital that service history can be identified. We suggest service invoices are retained with this guide.

MAINS ELECTRICS

It is recommended that you have your Mains Electrics System inspected by an NICEIC approved contractor every 3 years.

CUSTOMER SERVICES

Should you require any replacement parts for your caravan it is necessary that you contact the retailer from whom you purchased the caravan or any Explorer Group approved retailer and give the following information which will help in identifying the required component:

a) Model and make of caravan

b) VIN number

c) Description of fault

ALL PARTS MUST BE ORDERED AND SUPPLIED THROUGH AN APPROVED RETAILER.

All the illustrations and descriptive matter in this guide are intended to give a general idea of the caravan. Changing market and supply situations may prevent the manufacturer from maintaining the exact specifications and details in this handbook and we therefore reserve the right to alter specifications and materials as conditions demand.

Retailers are independent of the manufacturer and have absolutely no authority to bind the manufacturers by any express or implied undertaking or representation.

REPAIRS

The Explorer Group Limited, together with its suppliers, are continually undertaking extensive research into testing of, and repair procedures and materials such as sealants, adhesives, gaskets and tapes. Therefore if for any reason your new caravan is damaged or requires repair then only an approved Explorer Group Retailer or service centre should undertake such repair. All such repairs should be undertaken using only approved Explorer Group genuine parts recommended sealant and following Explorer Group Procedures.

The cost of transporting, towing or moving the caravan by any means, to or from the place of repair is the responsibility of the owner.

The manufacturers will also undertake to supply certain specialist repairers with the necessary spare parts. In this case, your selected repairer must contact the AFTER-SALES DEPARTMENT with all enquiries.

SERVICING

SERVICE DOCUMENTS

TOURING CARAVANS - ANNUAL SERVICE RECORD

In order to take full use of your Explorer Group Warranty it is essential that your caravan is serviced within the time scale laid down on the Service record on page 71. Whether you use your caravan for short journeys or for touring at home or abroad, regular servicing will help to ensure that you can enjoy it to the full.The Annual Service offered by your retailer will include the following work and it is our recommendation you have your caravan serviced to this standard annually, in accordance with the National Caravan Council recommendations.

The retailer will complete the record in this guide to show the work has been carried out.

SECTION (A) CHASSIS

1. Brakes
2. Suspension
3. Axles and Hubs
4. Tyres and pressures
5. Wheel nuts
6. Towing hitch and reverse
7. Jockey wheel
8. Breakaway chain
9. Corner steadies
10. Adjusted and lubricated
11. Fully operational

SECTION (B) EXTERIOR

1. Exterior panels
2. Windows
3. Rooflights
4. Entrance door/Door Locks
5. Wheel boxes
6. Mouldings
7. Gas bottle and Fairing
8. Ventilators
9. Paintwork
10. All seals, mouldings etc.
11. Damp test
12. Striping etc.

SECTION (C) INTERIOR

1. Wall panels
2. Furniture
3. Curtains/Blinds/Flyscreen
4. Mattresses
5. Carpet
6. Doors and Drawers
7. All hinges and catches
8. Ventilators
9. Water pumps
10. Hoses and sink plugs
11. Hot water system
12. Cold water system
13. Window hinges and stays
14. Cassette Toilet
15. Shower
16. Shower Tray
17. Central Heating
18. Damp Test

SECTION (D) ELECTRICAL

1. Reflectors
2. All interior lights/Road lights
3. Water pump and switches
4. Refrigerator
5. Distribution Unit
6. Charging Unit
7. Junction Box/Strip
8. Wiring and supports
9. Trailer connecting plugs sockets
10. Overall tests ext. lights
11. Awning lights
12. Electronic Ignition (Hob)
13. 230v System where applicable

SECTION (E) GAS INSTALLATION

1. Hotplate
2. Oven
3. Refrigerator
4. Heater
5. Leak tested
6. Water heated
7. Fully operation

SECTION (F) FINAL

Road Test

CARE WARRANTY

Your caravan is covered by the 3 year warranty, it is a condition of this Policy that a service and safety check is carried out by your caravan retailer at least once a year (12 months from the date of purchase) in accordance with the National Caravan Council recommendations. For further information please read your policy documents.

ANNUAL SERVICE RECORD

CARAVAN MODEL

VEHICLE IDENTIFICATION NUMBER **YEAR**

1st SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

2nd SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

3rd SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

4th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

5th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

6th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

SERVICING

7th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

8th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

9th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

10th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

11th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

12th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

13th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

14th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

15th SERVICE

DATE:

RETAILER'S STAMP

I/We certify that an annual service has been carried out in accordance with the manufacturers' and National Caravan Council recommendations.

WARRANTY

THE EXPLORER GROUP LIMITED
("Explorer Group")

3 YEAR MANUFACTURERS WARRANTY

Congratulations on selecting your new Explorer Group product. Subject to the conditions set out on the following page, your purchase is backed up by a manufacturers warranty for 3 years from the date of purchase at no additional cost to you the customer.

We sincerely hope you will never have cause to complain about your purchase. However, if things do go wrong, the course of action for you is to contact your dealer and explain the difficulty you are having. We are confident they will do their utmost to resolve the problem to your complete satisfaction.

The dealer from whom the product is purchased is liable for warranty repairs. Any other approved retailer or service centre may carry out work at his own convenience and/or discretion, but is not obliged to do so.

The unexpired period of this warranty is assignable to a second and subsequent owners during the three year period at a cost of £25 payable to The Explorer Group Limited (provided full service documentation is available for inspection).

Parts Covered by this Warranty for Years 1 – 3
Subject to the specific exclusions in years 2 and 3 set out below all original components of the product, including permanently fitted equipment, forming part of the manufacturers original specification.

Specific Exclusions for Years 2 & 3
Tyres, batteries, glass, exterior paint work, brightwork and all similar trim and finish. Soft furnishings. Carpets and floor coverings.
Entertainment/communication systems and connected equipment. Adjustment of blinds, hinges, catches, stays and doors. Replacement of bulbs, fluorescent tubes, fuses and electrical connections. "A" frame covers and wheel spats. Natural movement of internal doors and furniture. Normal wear and tear/servicing items and other components subject to routine maintenance.

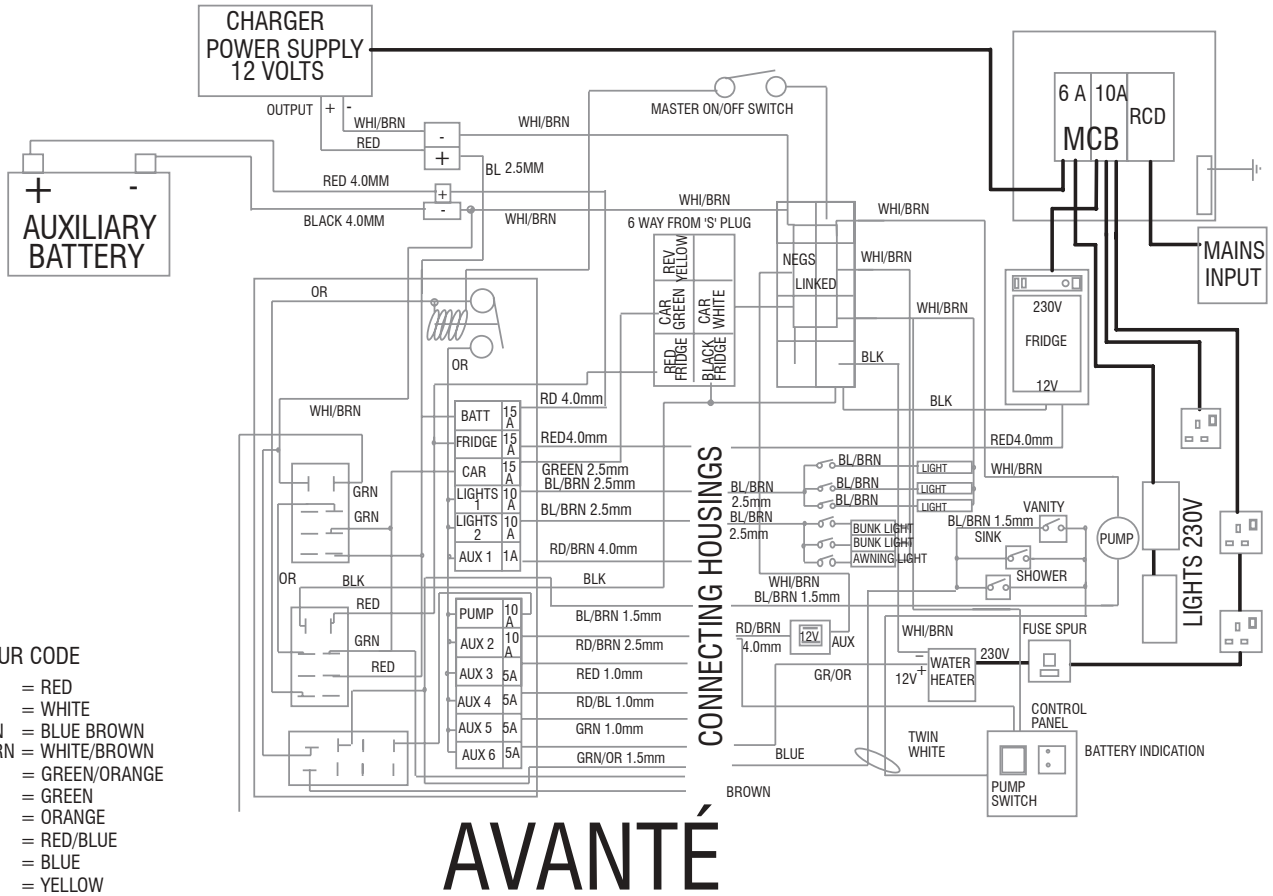
Explorer Group 3 Year Manufacturers Warranty is offered subject to the following conditions:

1. The duration of the warranty is 36 months from the date of purchase
2. That the original construction of the product has not been tampered with or repaired otherwise than by Explorer Group or an approved dealer or service centre.
3. That a service, damp and safety check has been carried out by an approved dealer or service centre at least once every year. The interval from purchase date to the first service and the intervals between services must not exceed 12 months.
4. That original VAT service invoices are retained as proof that annual inspections have been carried out.
5. No repairs should be commenced under the terms of the agreement unless prior authorisation is obtained from Explorer Group.
6. Explorer Group reserves the right to inspect the product before any repairs commence.
7. No liability will be accepted for damage caused by fair wear and tear, wilful damage, negligence, abnormal working conditions, intrusion of foreign or harmful matter, over-heating, freezing, failure to follow Explorer Group instructions, misuse or alteration or repair of the product without Explorer Group prior approval.
8. Products covered by this agreement shall not be put out to hire, reward, any other commercial use or used in any timed race.
9. That the product shall be used only for its ordinary and intended purpose and shall not be subjected to any condition which could reasonably be foreseen to cause or result in damage or excessive wear and tear.
10. That Explorer Group shall have received the completed warranty registration card within 6 weeks of purchase from new.
11. That only private cars or 4x4 type vehicles substituting as private cars, shall have towed the product.
12. That no liability arises out of this agreement for transport costs to and from the point of repair or consequential cost relating to transportation.
13. No liability arises out of this agreement for any indirect, special or consequential loss or damage (whether for loss of profit, use, contract, goodwill, or otherwise), costs, expenses or other claims for compensation howsoever arising.
14. No liability will be accepted for any accidental or fire damage or any loss incurred by accident or fire.
15. The unexpired period of the 3 year warranty is assignable to a second and subsequent owners during the 3 year period at a cost of £25 providing full service documentation is available for inspection in the event that a claim should, as set out above, be made.

This warranty does not affect the purchaser's statutory rights.

This warranty shall be governed and construed in accordance with the laws of England and the parties irrevocably submit to the exclusive jurisdiction of the courts of England.

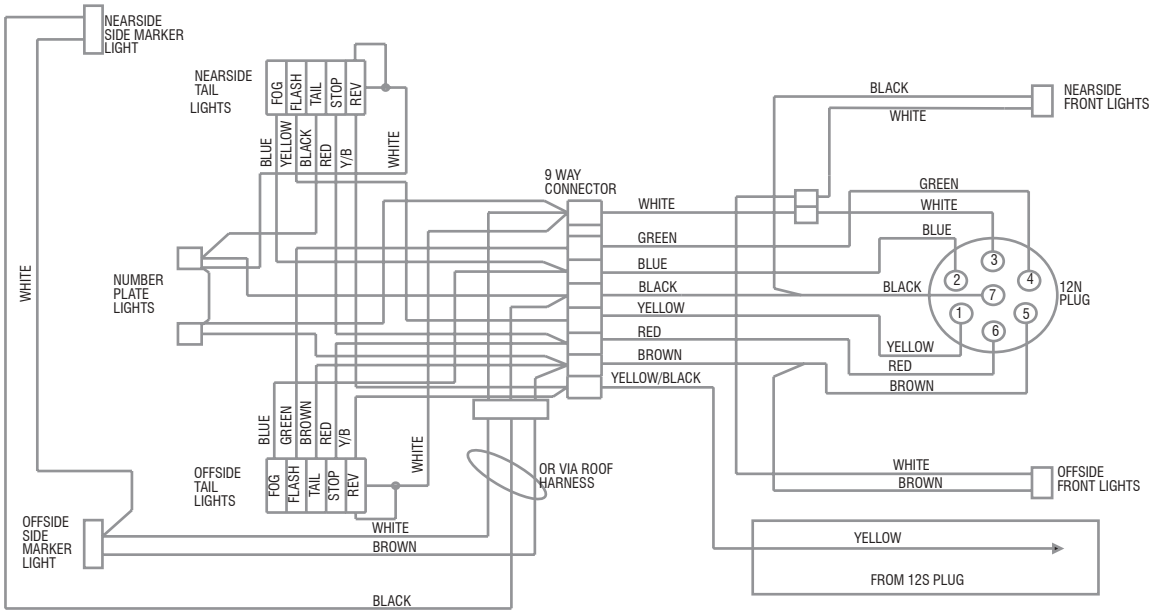
AVANTÉ



COLOUR CODE

RD	= RED
WHI	= WHITE
BL/BRN	= BLUE BROWN
WHI/BRN	= WHITE/BROWN
GR/OR	= GREEN/ORANGE
GRN	= GREEN
OR	= ORANGE
RD/BL	= RED/BLUE
BL	= BLUE
YEL	= YELLOW
RD/BRN	= RED/BROWN

AVANTÉ
ROAD LIGHTS WIRING DIAGRAM



	362	475	482	505	524	534	630	630FB
Number of Berths	2	5	2	5	4	4	5	5
Interior Length	3655mm / 12'	4550mm / 14'11"	4752mm / 15'7"	5045mm / 16'7"	5275mm / 17'4"	5486mm / 18'	6325mm / 20'9"	6325mm / 20'9"
Exterior body length	4280mm / 14'	5173mm/ 16'11"	5375mm / 17'7"	5680mm / 18'7"	5898mm / 18'4"	6108mm / 20"	6948mm / 22'9"	6948 / 22'9"
Shipping Length	5140mm 16'10"	6033mm / 19'9.5"	6235mm / 20'5.5"	6528mm / 21'5"	6758mm / 22'2"	6968mm / 22'10"	7808mm / 25'7"	7808mm / 25'7"
Overall Width	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2258mm / 7'5"	2258mm / 7'5"	2258mm / 7'5"
Overall Height	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"
Maximum Headroom	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"
Interior Width	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2107mm / 6'11"	2107mm / 6'11"	2107mm / 6'11"
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	195/70 R 14 91	195/70 R 14 91	195/70 R 14 91	195/70 R 14 95	195/70 R 14 95	165 R 14 97	175/65 R 14 82	175/65 R 14 82
Tyre Pressure	32psi	36psi	36psi	38psi	41psi	60psi	30psi	30psiBrake Size
200/50	200/50	200/50	200/50	200/50	200/50	200/50	200/50	
Hitch Ball Height Fully Laden	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground	7811mm / 25'7.5"	8706mm / 28'7"	8908mm / 29'2.5"	9201mm / 30'2"	9431mm / 30'11"	9642mm / 31'7.5"	10481mm / 34'4.5"	10481mm / 34'4.5"
Bed Sizes Option 1	1x Single1830 x 699mm 6' x 2'3.5" 1x Single 1830 x 699mm 6' x 2'3.5"	1x Double 1980 x1245mm 6'6" x 4'1" 1x Double 1840 x 1143mm 6' x 3'9" 1x Single 1740 x 570mm 5'8.5" x 1'10"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5" 1x Double 1980 x 1143mm 6'6" x 3'9" 1x Single 1915 x 580mm 6'3" x 1'11"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5" 1x Single 1770 x 610mm 5'9.5" x 2" 1 x Single 1690 x 580mm 5'6.5" x 1'11"	1x Single 1742 x 699mm 5'8.5" x 2'3.5" 1x Single 1742 x 699mm 5'8.5" x 2'3.5" 1x Double 1909 x1354mm 6'3" x 4'5"	2x Single 1830 x 699mm 6' x 2'3.5" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1830 x 730mm 6' x 2'5" 1x Single 1830 x 710mm 6' x 2'4"	2x Single 1830 x 699mm 6' x 2'3.5" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1820 x 650mm 5'11.5'' x 2'1.5" 1x Single 1760 x 650mm 5'9'' x 2'1.5"
Bed Sizes Option 2	1x Double 1980 x 1410mm 6'6" x 4'7"		1x Double 1980 x 1395mm 6'6" x 4'6.5"	1x Double 1980 x 1395mm 6'6" x 4'6.5" 1x Double 1980 x 1143mm 6'6" x 3'9" 1x Single 1915 x 580mm 6'3" x 1'11"	1x Single 1805 x 610mm 5'11" x 2" 1x Single 1690 x 580mm 5'3.5" x 1'11" 1x Double 1980 x 1395mm 6'6" x 4'6.5"	1x Double 2107 x 1299mm 6'11" x 4'3" 1x Double 1909 x 1354mm 6'3" x 4'5"	1x Double 2107 x 1470mm 6'11" x 4'9" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1830 x 730mm 6' x 2'5 1x Single 1830 x 710mm 6' x 2'4"	1x Double 2107 x 1470mm 6'11" x 4'9" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1820 x 650mm 5'11.5" x 2'1.5" 1x Single 1760 x 650mm 5'9" x 2'1.5"
M.T.P.L.M. kgs	1050kgs / 20.6cwt	1200kgs / 23.6cwt	1200kgs / 23.6cwt	1300kgs / 25.54cwt	1350kgs / 26.51cwt	1400kgs / 27.5cwt	1650kgs / 32.4cwt	1650kgs / 32.4cwt
Mass in Running Order kgs	859kgs / 1.22cwt	97kgs / 19.15cwt	992kgs / 19.48cwt	1070kgs / 21.02cwt	1120kgs / 22cwt	1160kgs / 22.78cwt	1400kgs / 27.5cwt	1400kgs / 27.5cwt
Essential Habitation Equipment kgs	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt
Maximum User Payload kgs	191kgs / 3.75cwt	225kgs / 4.42cwt	208kgs / 4.08cwt	230kgs / 4.51cwt	230kgs / 4.51cwt	240kgs / 4.71cwt	250kgs / 4.9cwt	250kgs / 4.9cwt
Maximum Hitch Weight kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt
Optional Equipment Payload kgs	30kgs / 0.58cwt	44kgs / 0.86cwt	37kgs / 0.72cwt	24kgs / 0.47cwt	34kgs / 0.66cwt	44kgs / 0/86cwt	34kgs / 0.66cwt	34kgs / 0.66cwt

3% has been added to **Mass In Running Order** to calculate the **Maximum User Payload.**

Maximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.

Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.

	362	475	482	505	524	534	630	630FB
Number of Berths	2	5	2	5	4	4	5	5
Interior Length	3655mm / 12'	4550mm / 14'11"	4752mm / 15'7"	5045mm / 16'7"	5275mm / 17'4"	5486mm / 18'	6325mm / 20'9"	6325mm / 20'9"
Exterior body length	4280mm / 14'	5173mm/ 16'11"	5375mm / 17'7"	5680mm / 18'7"	5898mm / 18'4"	6108mm / 20"	6948mm / 22'9"	6948 / 22'9"
Shipping Length	5140mm 16'10"	6033mm / 19'9.5"	6235mm / 20'5.5"	6528mm / 21'5"	6758mm / 22'2"	6968mm / 22'10"	7808mm / 25'7"	7808mm / 25'7"
Overall Width	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2258mm / 7'5"	2258mm / 7'5"	2258mm / 7'5"
Overall Height	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"
Maximum Headroom	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"
Interior Width	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2107mm / 6'11"	2107mm / 6'11"	2107mm / 6'11"
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	195/70 R 14 91	195/70 R 14 91	195/70 R 14 91	195/70 R 14 95	195/70 R 14 95	165 R 14 97	175/65 R 14 82	175/65 R 14 82
Tyre Pressure	32psi	36psi	36psi	38psi	41psi	60psi	30psi	30psi
Brake Size	200/50	200/50	200/50	200/50	200/50	200/50	200/50	200/50
Hitch Ball Height Fully Laden	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground	7811mm / 25'7.5"	8706mm / 28'7"	8908mm / 29'2.5"	9201mm / 30'2"	9431mm / 30'11"	9642mm / 31'7.5"	10481mm / 34'4.5"	10481mm / 34'4.5"
Bed Sizes Option 1	1x Single1830 x 699mm 6' x 2'3.5" 1x Single 1830 x 699mm 6' x 2'3.5"	1x Double 1980 x1245mm 6'6" x 4'1" 1x Double 1840 x 1143mm 6' x 3'9" 1x Single 1740 x 570mm 5'8.5" x 1'10"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5" 1x Double 1980 x 1143mm 6'6" x 3'9" 1x Single 1915 x 580mm 6'3" x 1'11"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5" 1x Single 1770 x 610mm 5'9.5" x 2" 1x Single 1690 x 580mm 5'6.5" x 1'11"	1x Single 1742 x 699mm 5'8.5" x 2'3.5" 1x Single 1742 x 699mm 5'8.5" x 2'3.5" 1x Double 1909 x1354mm 6'3" x 4'5"	2x Single 1830 x 699mm 6' x 2'3.5" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1830 x 730mm 6' x 2'5" 1x Single 1830 x 710mm 6' x 2'4"	2x Single 1830 x 699mm 6' x 2'3.5" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1820 x 650mm 5'11.5" x 2'1.5" 1x Single 1760 x 650mm 5'9" x 2'1.5"
Bed Sizes Option 2	1x Double 1980 x 1410mm 6'6" x 4'7"		1x Double 1980 x 1395mm 6'6" x 4'6.5"	1x Double 1980 x 1395mm 6'6" x 4'6.5" 1x Double 1980 x 1143mm 6'6"" x 3'9"" 1x Single 1915 x 580mm 6'3" x 1'11"	1x Single 1805 x 610mm 5'11" x 2" 1x Single 1690 x 580mm 5'3.5" x 1'11" 1x Double 1980 x 1395mm 6'6" x 4'6.5"	1x Double 2107 x 1299mm 6'11" x 4'3" 1x Double 1909 x 1354mm 6'3" x 4'5"	1x Double 2107 x 1470mm 6'11" x 4'9" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1830 x 730mm 6' x 2'5" 1x Single 1830 x 710mm 6' x 2'4"	1x Double 2107 x 1470mm 6'11" x 4'9" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1820 x 650mm 5'11.5" x 2'1.5" 1x Single 1760 x 650mm 5'9" x 2'1.5"
M.T.P.L.M. kgs	1050kgs / 20.6cwt	1200kgs / 23.6cwt	1200kgs / 23.6cwt	1300kgs / 25.54cwt	1350kgs / 26.51cwt	1400kgs / 27.5cwt	1650kgs / 32.4cwt	1650kgs / 32.4cwt
Mass in Running Order kgs	876kgs / 17.26cwt	995kgs / 19.54cwt	1012kgs / 19.87cwt	1090kgs / 21.41cwt	1140kgs / 22.39cwt	1180kgs / 23.17cwt	1420kgs / 27.89cwt	1420kgs / 27.89cwt
Essential Habitation Equipment kgs	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt
Maximum User Payload kgs	171kgs / 3.35cwt	205kgs / 4.03cwt	188kgs / 3.69cwt	210kgs / 4.12cwt	210kgs / 4.12cwt	220kgs / 0.39cwt	230kgs / 4.42cwt	230kgs / 4.42cwt
Maximum Hitch Weight kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt
Optional Equipment Payload kgs	10kgs / 0.19cwt	24kgs / 0.48cwt	17kgs / 0.33cwt	4kgs / 0.8cwt	14kgs / 0.27cwt	24kgs / 0.47cwt	14kgs / 0.27cwt	14kgs / 0.27cwt

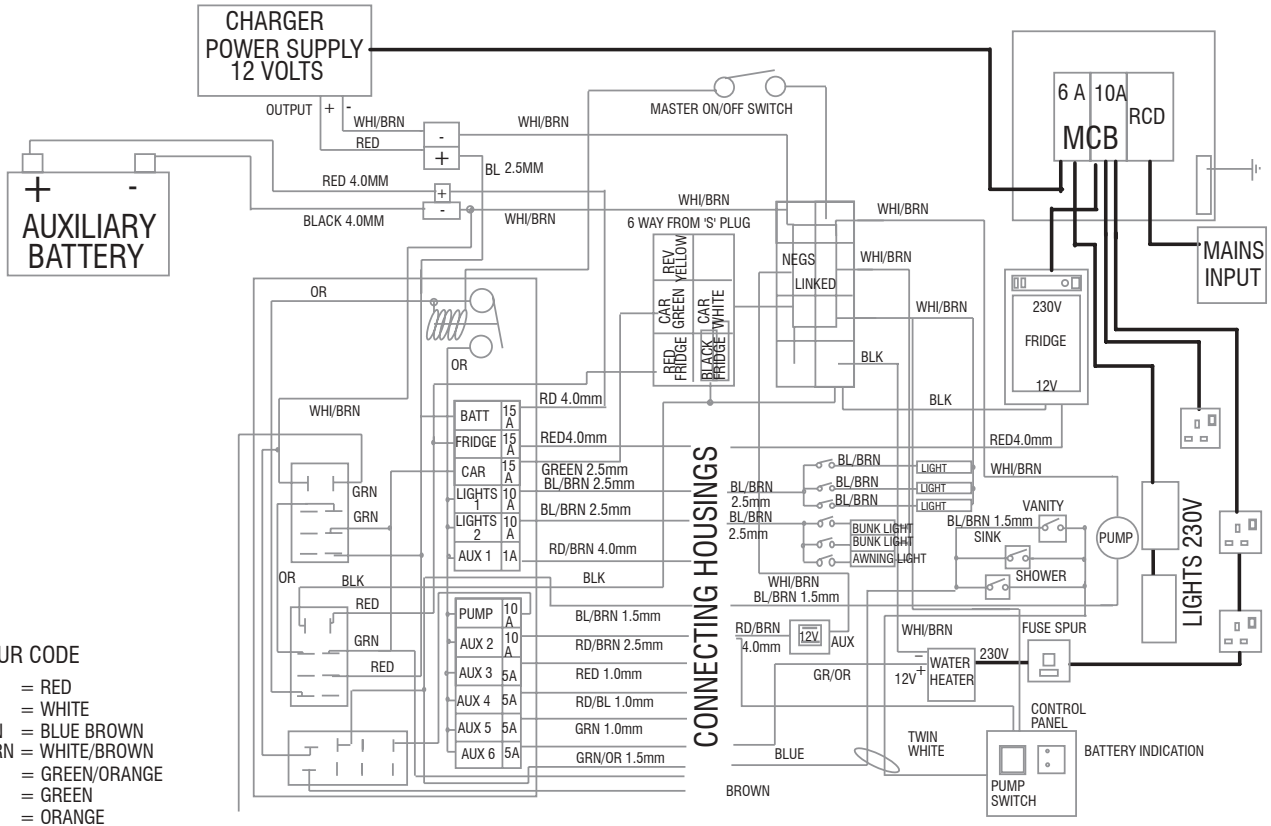
3% has been added to **Mass In Running Order** to calculate the **Maximum User Payload.**

Maximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.

Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.

CORONA

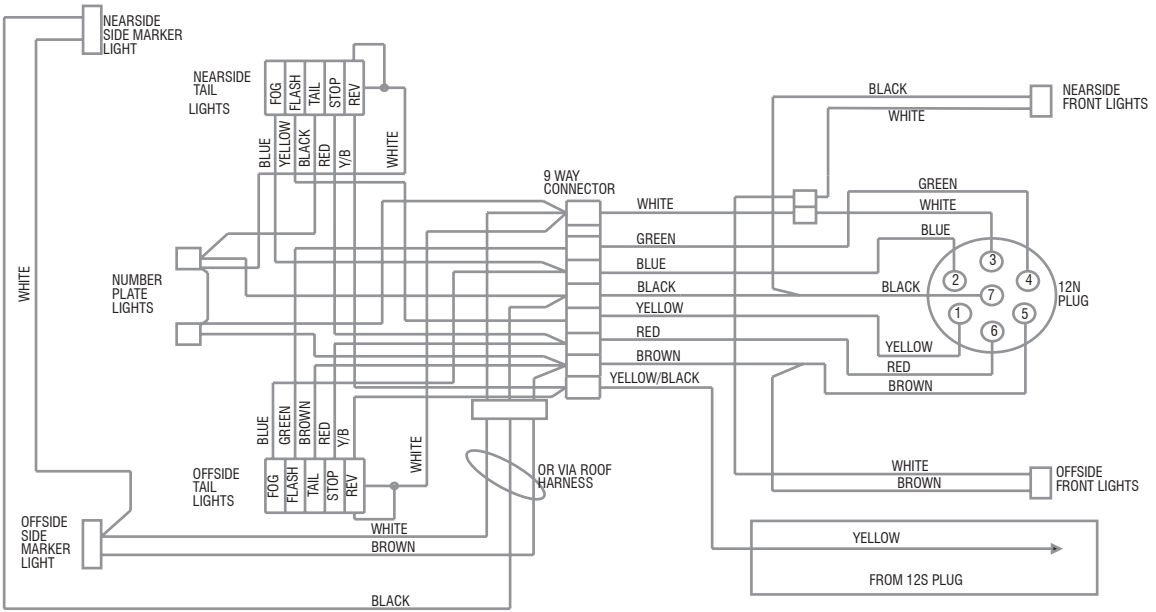


COLOUR CODE

RD	= RED
WHI	= WHITE
BL/BRN	= BLUE BROWN
WHI/BRN	= WHITE/BROWN
GR/OR	= GREEN/ORANGE
GRN	= GREEN
OR	= ORANGE
RD/BL	= RED/BLUE
BL	= BLUE
YEL	= YELLOW
RD/BRN	= RED/BROWN

CORONA

CORONA
ROAD LIGHTS WIRING DIAGRAM



	362	475	482	505	524	534	630	630FB
Number of Berths	2	5	2	5	4	4	5	5
Interior Length	3655mm / 12'	4550mm / 14'11"	4752mm / 15'7"	5045mm / 16'7"	5275mm / 17'4"	5486mm / 18'	6325mm / 20'9"	6325mm / 20'9"
Exterior body length	4280mm / 14'	5173mm/ 16'11"	5375mm / 17'7"	5680mm / 18'7"	5898mm / 18'4"	6108mm / 20"	6948mm / 22'9"	6948 / 22'9"
Shipping Length	5140mm 16'10"	6033mm / 19'9.5"	6235mm / 20'5.5"	6528mm / 21'5"	6758mm / 22'2"	6968mm / 22'10"	7808mm / 25'7"	7808mm / 25'7"
Overall Width	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2258mm / 7'5"	2258mm / 7'5"	2258mm / 7'5"
Overall Height	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"
Maximum Headroom	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"
Interior Width	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2107mm / 6'11"	2107mm / 6'11"	2107mm / 6'11"
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	195/70 R 14 91	195/70 R 14 91	195/70 R 14 91	195/70 R 14 95	195/70 R 14 95	165 R 14 97	175/65 R 14 82	175/65 R 14 82
Tyre Pressure	32psi	36psi	36psi	38psi	41psi	60psi	30psi	30psi
Brake Size	200/50	200/50	200/50	200/50	200/50	200/50	200/50	200/50
Hitch Ball Height Fully Laden	427mm / 1'5"	427mm / 1'5"''	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground	7811mm / 25'7.5"	8706mm / 28'7"''	8908mm / 29'2.5"	9201mm / 30'2"	9431mm / 30'11"	9642mm / 31'7.5"	10481mm / 34'4.5"	10481mm / 34'4.5"
Bed Sizes 1 Option 1	1x Single1830 x 699mm 6' x 2'3.5" 1x Single 1830 x 699mm 6' x 2'3.5"	1x Double 1980 x1245mm 6'6" x 4'1" 1x Double 1840 x 1143mm 6' x 3'9" 1x Single 1740 x 570mm 5'8.5" x 1'10"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5" 1x Double 1980 x 1143mm 6'6" x 3'9" 1x Single 1915 x 580mm 6'3" x 1'11"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5" 1x Single 1770 x 610mm 5'9.5" x 2" 1x Single 1690 x 580mm 5'6.5" x 1'11"	1x Single 1742 x 699mm 5'8.5" x 2'3.5" 1x Single 1742 x 699mm 5'8.5" x 2'3.5" 1x Double 1909 x1354mm 6'3 x 4'5"	2x Single 1830 x 699mm 6' x 2'3.5" 1x Single 1715 x 570mm 5'7.5"' x 1'10" 1x Single 1830 x 730mm 6' x 2'5" 1x Single 1830 x 710mm 6' x 2'4"	2x Single 1830 x 699mm 6' x 2'3.5" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1820 x 650mm 5'11.5" x 2'1.5" 1x Single 1760 x 650mm 5'9" x 2'1.5"
Bed Sizes Option 2	1x Double 1980 x 1410mm 6'6" x 4'7"		1x Double 1980 x 1395mm 6'6" x 4'6.5"	1x Double 1980 x 1395mm 6'6" x 4'6.5" 1x Double 1980 x 1143mm 6'6" x 3'9" 1x Single 1915 x 580mm 6'3" x 1'11"	1x Single 1805 x 610mm 5'11" x 2" 1x Single 1690 x 580mm 5'3.5" x 1'11" 1x Double 1980 x 1395mm 6'6" x 4'6.5"	1x Double 2107 x 1299mm 6'11" x 4'3" 1x Double 1909 x 1354mm 6'3" x 4'5"	1x Double 2107 x 1470mm 6'11" x 4'9" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1830 x 730mm 6' x 2'5" 1x Single 1830 x 710mm 6' x 2'4"	1x Double 2107 x 1470mm 6'11" x 4'9" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1820 x 650mm 5'11.5" x 2'1.5" 1x Single 1760 x 650mm 5'9" x 2'1.5"
M.T.P.L.M. kgs	1050kgs / 20.6cwt	1200kgs / 23.6cwt	1200kgs / 23.6cwt	1300kgs / 25.54cwt	1350kgs / 26.51cwt	1400kgs / 27.5cwt	1650kgs / 32.4cwt	1650kgs / 32.4cwt
Mass in Running Order kgs	859kgs / 16.87	975kgs / 19.15cwt	992kgs / 19.48cwt	1070kgs / 21.02cwt	1120kgs / 22cwt	1160kgs / 22.78cwt	1400kgs / 27.5cwt	1400kgs / 27.5cwt
Essential Habitation Equipment kgs	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt
Maximum User Payload kgs	191kgs / 3.75cwt	225kgs / 4.42cwt	208kgs / 4.08cwt	230kgs / 4.51cwt	230kgs / 4.51cwt	240kgs / 4.71cwt	250kgs / 4.9cwt	250kgs / 4.9cwt
Maximum Hitch Weight kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt
Optional Equipment Payload kgs	30kgs / 0.58cwt	44kgs / 0.86cwt	37kgs / 0.72cwt	24kgs / 0.47cwt	34kgs / 0.66cwt	44kgs / 0.86cwt	34kgs / 0.66cwt	34kgs / 0.66cwt

3% has been added to **Mass In Running Order** to calculate the **Maximum User Payload.**

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Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.

Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.

	362	475	482	505	524	534	630	630FB
Number of Berths	2	5	2	5	4	4	5	5
Interior Length	3655mm / 12'	4550mm / 14'11"	4752mm / 15'7"	5045mm / 16'7"	5275mm / 17'4"	5486mm / 18'	6325mm / 20'9"	
Exterior body length	4280mm / 14'	5173mm/ 16'11"	5375mm / 17'7"	5680mm / 18'7"	5898mm / 18'4"	6108mm / 20"	6948mm / 22'9"	6948 / 22'9"
Shipping Length	5140mm 16'10"	6033mm / 19'9.5"	6235mm / 20'5.5"	6528mm / 21'5"	6758mm / 22'2"	6968mm / 22'10"	7808mm / 25'7"	7808mm / 25'7"
Overall Width	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2184mm / 7'2"	2258mm / 7'5"	2258mm / 7'5"	2258mm / 7'5"
Overall Height	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"	2666mm / 8'9"
Maximum Headroom	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"	1909mm / 6'3"
Interior Width	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2107mm / 6'11"	2107mm / 6'11"	2107mm / 6'11"
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	195/70 R 14 91	195/70 R 14 91	195/70 R 14 91	195/70 R 14 95	195/70 R 14 95	165 R 14 97	175/65 R 14 82	175/65 R 14 82
Tyre Pressure	32psi	36psi	36psi	38psi	41psi	60psi	30psi	30psi
Brake Size	200/50	200/50	200/50	200/50	200/50	200/50	200/50	200/50
Hitch Ball Height Fully Laden	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground	7811mm / 25'7.5"	8706mm / 28'7"	8908mm / 29'2.5"	9201mm / 30'2"	9431mm / 30'11"	9642mm / 31'7.5"	10481mm / 34'4.5"	10481mm / 34'4.5"
Bed Sizes 1Option 1	1x Single1830 x 699mm 6' x 2'3.5" 1x Single 1830 x 699mm 6' x 2'3.5"	1x Double 1980 x1245mm 6'6" x 4'1" 1x Double 1840 x 1143mm 6' x 3'9" 1x Single 1740 x 570mm 5'8.5" x 1'10"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5" 1x Double 1980 x 1143mm 6'6" x 3'9" 1x Single 1915 x 580mm 6'3" x 1'11"	1x Single 1862 x 699mm 6'1" x 2'3.5" 1x Single 1805 x 699mm 5'11" x 2'3.5" 1x Single 1770 x 610mm 5'9.5"" x 2"" 1x Single 1690 x 580mm 5'6.5" x 1'11"	1x Single 1742 x 699mm 5'8.5" x 2'3.5" 1x Single 1742 x 699mm 5'8.5" x 2'3.5" 1x Double 1909 x1354mm 6'3" x 4'5"	2x Single 1830 x 699mm 6' x 2'3.5" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1830 x 730mm 6' x 2'5" 1x Single 1830 x 710mm 6' x 2'4"	2x Single 1830 x 699mm 6' x 2'3.5" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1820 x 650mm 5'11.5'' x 2'1.5" 1x Single 1760 x 650mm 5'9'' x 2'1.5"
Bed Sizes Option 2	1x Double 1980 x 1410mm 6'6" x 4'7"		1x Double 1980 x 1395mm 6'6" x 4'6.5"	1x Double 1980 x 1395mm 6'6" x 4'6.5" 1x Double 1980 x 1143mm 6'6" x 3'9" 1x Single 1915 x 580mm 6'3" x 1'11"	1x Single 1805 x 610mm 5'11" x 2" 1x Single 1690 x 580mm 5'3.5" x 1'11" 1x Double 1980 x 1395mm 6'6" x 4'6.5"	1x Double 2107 x 1299mm 6'11" x 4'3" 1x Double 1909 x 1354mm 6'3" x 4'5"	1x Double 2107 x 1470mm 6'11" x 4'9" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1830 x 730mm 6' x 2'5" 1x Single 1830 x 710mm 6' x 2'4"	1x Double 2107 x 1470mm 6'11" x 4'9" 1x Single 1715 x 570mm 5'7.5" x 1'10" 1x Single 1820 x 650mm 5'11.5'' x 2'1.5" 1x Single 1760 x 650mm 5'9'' x 2'1.5"
M.T.P.L.M. kgs	1050kgs / 20.6cwt	1200kgs / 23.6cwt	1200kgs / 23.6cwt	1300kgs / 25.54cwt	1350kgs / 26.51cwt	1400kgs / 27.5cwt	1650kgs / 32.4cwt	1650kgs / 32.4cwt
Mass in Running Order kgs	876kgs / 17.26cwt	995kgs / 19.54cwt	1012kgs / 19.87cwt	1090kgs / 21.41cwt	1140kgs / 21.41cwt	1180kgs / 23.17cwt	1420kgs / 27.89cwt	1420kgs / 27.89cwt
Essential Habitation Equipment kgs	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt
Maximum User Payload kgs	171kgs / 3.35cwt	205kgs / 4.03cwt	188kgs / 3.69cwt	210kgs / 4.12cwt	210kgs / 4.12cwt	220kgs / 0.39cwt	230kgs / 4.52cwt	230kgs / 4.52cwt
Maximum Hitch Weight kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt
Optional Equipment Payload kgs	10kgs / 0.19cwt	24kgs / 0.48cwt	17kgs / 0.33cwt	4kgs / 0.08cwt	14kgs / 0.27cwt	24kgs / 0.47cwt	14kgs / 0.27cwt	14kgs / 0.27cwt

3% has been added to **Mass In Running Order** to calculate the **Maximum User Payload.**

Maximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.

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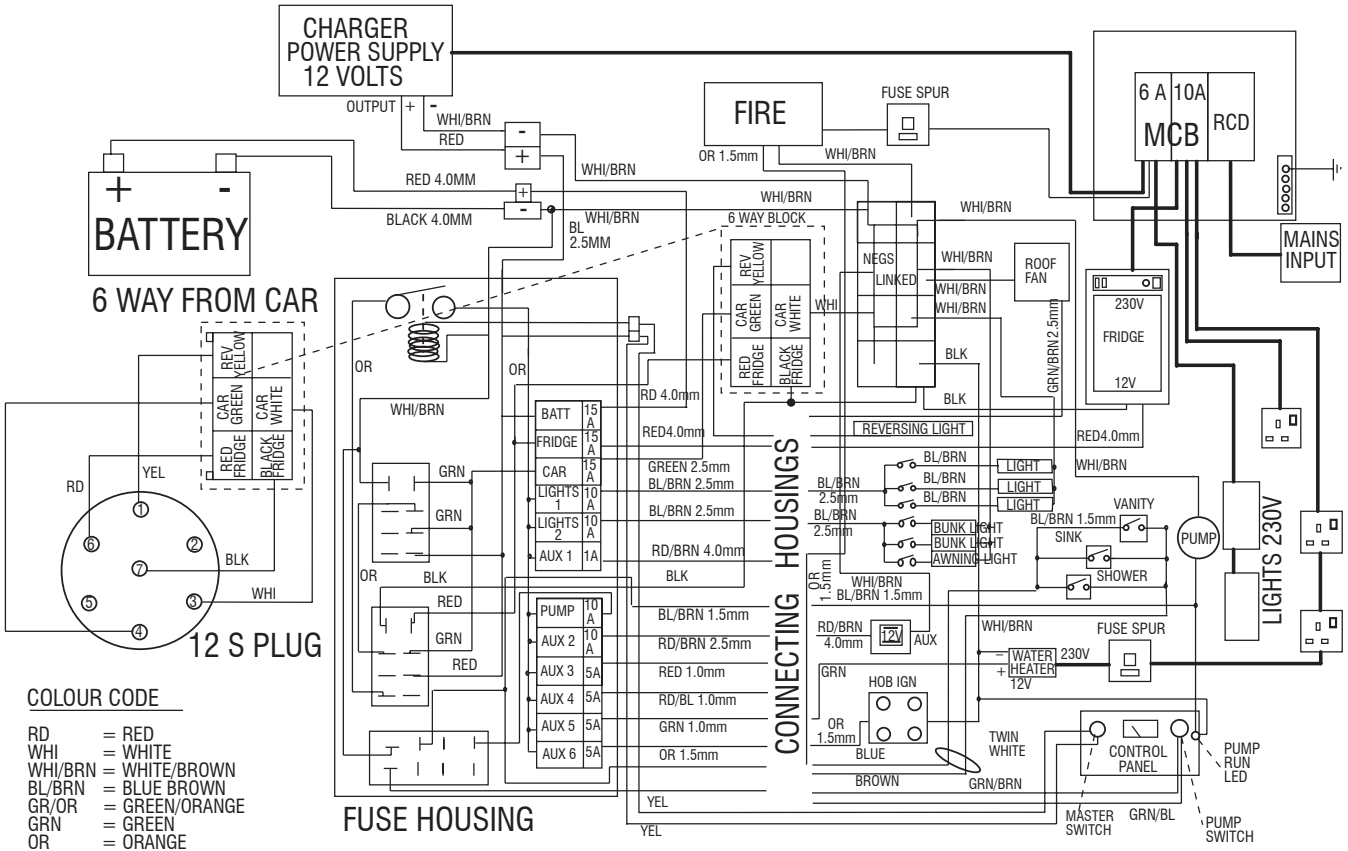
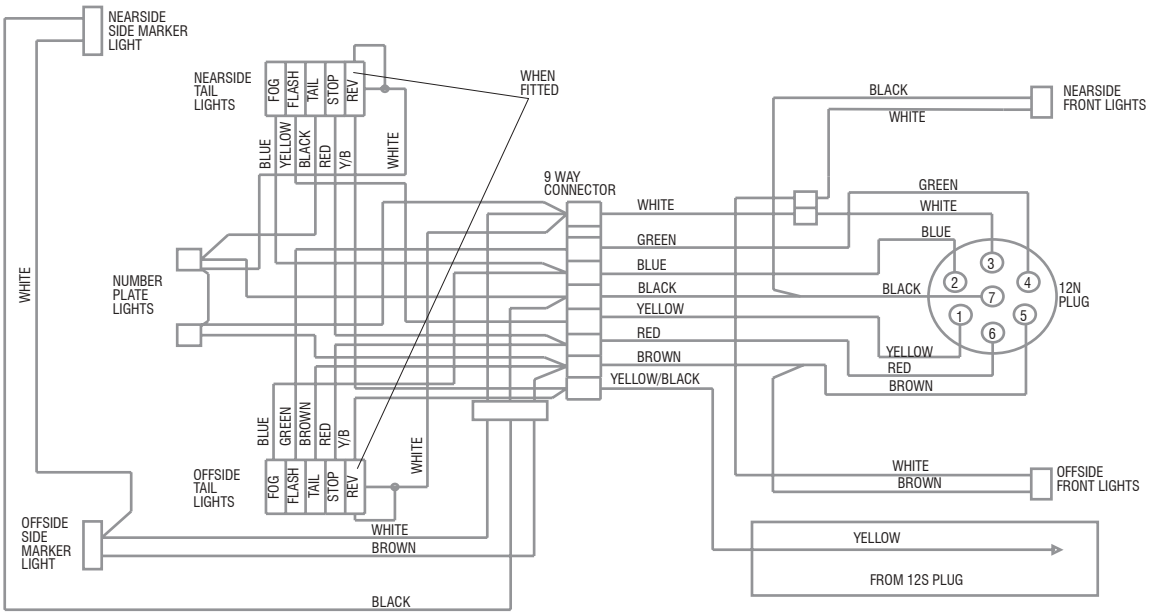


COLOUR CODE

RD	= RED
WHI	= WHITE
WHI/BRN	= WHITE/BROWN
BL/BRN	= BLUE BROWN
GR/OR	= GREEN/ORANGE
GRN	= GREEN
OR	= ORANGE
RD/BL	= RED/BLUE
BL	= BLUE
YEL	= YELLOW
RD/BRN	= RED/BROWN

ODYSSEY 2003 INTERNAL WIRING

ODYSSEY 2003
ROAD LIGHTS WIRING DIAGRAM



	432	482	505	524	534	534L
Number of Berths	2	2	5	4	4	4
Interior Length	4314mm / 14'2"	4828mm / 15'10"	5344mm / 17'6"	5344mm / 17'6"	5486mm / 18'	5486mm / 18'
External body length	5122mm / 16'10"	5636mm / 18'6"	6152mm / 20'2"	6152mm / 20'2"	6294mm / 20'8"	6294mm 20'8"
Shipping Length	6025mm / 19'9"	6539mm / 21'5"	7055mm / 23'2"	7055mm / 23'2"	7197mm / 23'7"	7197mm / 23'7"
Overall Width	2140mm / 7'	2140mm / 7'	2140mm / 7'	2140mm / 7'	2278mm / 7'5.5"	2278mm / 7'5.5"
Overall Height	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"
Maximum Headroom	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"
Interior Width	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2170mm / 7' 1.5"	2170mm / 7' 1.5"
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	195/70 R 14 95	195/70 R 14 95	165 R 14 97	165 R 14 97	175 R 14 99	175 R 14 99
Tyre Pressure	38psi	41psi	65 psi	65 psi	62psi	62psi
Brake Size	200/50	200/50	200/50	200/50	200/50	200/50
Hitch Ball Height Fully Laden	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground	8560mm / 28'1"	9074mm / 29'9"	9590mm / 31'5.5"	9590mm / 31'5.5"	9732mm / 31'11"	9732mm / 31'11"
Bed Sizes Option 1	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5"	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5"	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Double 1682 x 1270mm 5'6" x 4'2" 1x Single 1725 x 580" 5'7.5" x 1'11"	1x Single 1880 x 675mm 6'2" x 2'2.5" Single 1880 x 675mm 6'2" x 2'2.5" 1 x Single 1800 x 610mm 6'2" x 2' 1 x Single 1710 x 580mm 5'7" x 1'11"	1x Double 2120 x 1742mm 6'11.5" x 5'8.5" 1x Double 1900 x 1340mm 6'2.5" x 4'4.5"	1x Double 2120 x 1742mm 6'11.5" x 5'8.5" 1x Double 1900 x 1340mm 6'2.5" x 4'4.5"
Bed Sizes Option 2	1x Double 1982 x 1480mm 6'6" x 4'10"	1x Double 1982 x 1480mm 6'6" x 4'10"	1x Double 1982 x 1480mm 6'6" x 4'10" 1x Double 1682 x 1270mm 5'6" x 4'2" 1x Single 1725 x 580mm 5'7" x 1'11"	1x Double 1982 x 1480mm 6'6" x 4'10" 1x Single 800 x 610mm 5'11" x 2' 1x Single 1710 x 580mm 5'7" x 1'11"		"
M.T.P.L.M. kgs	1250kgs / 24.6cwt	1325kgs / 26cwt	1500kgs / 29.5cwt	1500kgs / 29.5cwt	1525kgs / 29.5cwt	1525kgs / 29.5cwt
Mass in Running Order kgs	1054kgs / 20.3cwt	1105kgs / 21.7cwt	1250kgs / 24.55cwt	1250kgs / 24.55cwt	1300kgs / 25.53cwt	1300kgs / 25.53cwt
Essential Habitation Equipment kgs	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt
Maximum User Payload kgs	216kgs / 4.24cwt	220kgs / 4.32cwt	250kgs / 4.9cwt	250kgs / 4.9cwt	225kgs / 4.42cwt	225kgs / 4.42cwt
Maximum Hitch Weight kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt
Optional Equipment Payload kgs	30kgs / 0.58cwt	29kgs / 0.57cwt	44kgs / 0.86cwt	54kgs / 1.06cwt	29kgs / 0.57cwt	29kgs / 0.57cwt

3% has been added to **Mass In Running Order** to calculate the **Maximum User Payload.**

Maximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.

Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.

		Hurricane	Cyclone	Typhoon
Number of Berths		2	5	4
Interior Length		4828mm / 15'10"	5344mm / 17'6"	5344mm / 17'6"
External body length		5636mm / 18'6"	6152mm / 20'2"	6152mm / 20'2"
Shipping Length		6539mm / 21'5"	7055mm / 23'2"	7055mm / 23'2"
Overall Width		2140mm / 7'	2140mm / 7'	2140mm / 7'
Overall Height		2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"
Maximum Headroom		1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"
Interior Width		2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"
Wheel Rim		5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size		195/70 R 14 95	175 R 14 99	175 R 14 99
Tyre Pressure		41psi	64psi	64psi
Brake Size		200/50	200/50	200/50
Hitch Ball Height Fully Laden		427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground		9074mm / 29'9"	9590mm / 31'5.5"	9590mm / 31'5.5"
Bed Sizes	Option 1	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5"	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Double 1682 x 1270mm 5'6" x 4'2" 1x Single 1725 x 580mm 5'7.5" x 1'11"	1x Single 1880 x 675mm 6'2" x 2'2.5" 1 x Single 1800 x 610mm 6'2" x 2' 1 x Single 1710 x 580mm 5'7" x 1'11" 1x Single 1880 x 675mm 6'2" x 2'2.5"
Bed Sizes	Option 2	1x Double 1982 x 1480mm 6'6" x 4'10"	1x Double 1982 x 1480mm 6'6" x 4'10" 1x Double 1682 x 1270mm 5'6" x 4'2" 1x Single 1725 x 580mm 5'7" x 1'11"	1x Double 1982 x 1480mm 6'6" x 4'10" 1x Single 1800 x 610mm 5'11" x 2' 1x Single 1710 x 580mm 5'7" x 1'11"
M.T.P.L.M.	kgs	1325kgs / 26cwt	1500kgs / 29.5cwt	1500kgs / 29.5cwt
Mass inRunning Order	kgs	1118kgs / 21.96cwt	1263kgs / 24.81cwt	1263kgs / 24.81cwt
Essential Habitaion Equipment	kgs	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt
Maximum User Payload	kgs	203kgs / 3.98cwt	237kgs / 4.65kgs	237kgs / 4.65kgs
Maximum Hitch Weight	kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt
Optional equipiment payload	kgs	16kgs / 0.31cwt	31kgs / 0.61cwt	41kgs / 0.80cwt

3% has been added to **Mass In Running Order** to calculate the **Maximum User Payload.**
Maximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.
Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.

	432	482	505	524	534	534L
Number of Berths	2	2	5	4	4	4
Interior Length	4314mm / 14'2"	4828mm / 15'10"	5344mm / 17'6"	5344mm / 17'6"	5486mm / 18'	5486mm / 18'
External body length	5122mm / 16'10"	5636mm / 18'6"	6152mm / 20'2"	6152mm / 20'2"	6294mm / 20'8"	6294mm 20'8"
Shipping Length	6025mm / 19'9"	6539mm / 21'5"	7055mm / 23'2"	7055mm / 23'2"	7197mm / 23'7"	7197mm / 23'7"
Overall Width	2140mm / 7'	2140mm / 7'	2140mm / 7'	2140mm / 7'	2278mm / 7'5.5"	2278mm / 7'5.5"
Overall Height	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"
Maximum Headroom	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"
Interior Width	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2170mm / 7' 1.5"	2170mm / 7' 1.5"
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	195/70 R 14 95	195/70 R 14 95	165 R 14 97	165 R 14 97	175 R 14 99	175 R 14 99
Tyre Pressure	38psi	41psi	65 psi	65 psi	62psi	62psi
Brake Size	200/50	200/50	200/50	200/50	200/50	200/50
Hitch Ball Height Fully Laden	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground	8560mm / 28'1"	9074mm / 29'9"	9590mm / 31'5.5"	9590mm / 31'5.5"	9732mm / 31'11"	9732mm / 31'11"
Bed Sizes Option 1	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5"	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5"	1x Single 1880 x 675mm 6'2" x 2'2.5" 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Double 1682 x 1270mm 5'6" x 4'2" 1x Single 1725 x 580 5'7.5" x 1'11"	1x Single 1880 x 675mm 6'11.5" x 5'8.5" 1x Single 1880 x 675mm 6'2" x 2'2.5" 1 x Single 1800 x 610mm 6'2" x 2' 1 x Single 1710 x 580mm 5'7" x 1'11"	1x Double 2120 x 1742mm 6'11.5" x 4'4" 1x Double 1900 x 1340mm 6'2.5" x 4'4.5"	1x Double 2120 x 1329mm 1x Double 1900 x 1340mm 6'2.5" x 4'4.5"
Bed Sizes Option 2	1x Double 1982 x 1480mm 6'6" x 4'10"	1x Double 1982 x 1480mm 6'6" x 4'10"	1x Double 1982 x 1480mm 6'6" x 4'10" 1x Double 1682 x 1270mm 5'6" x 4'2" 1x Single 1725 x 580mm 5'7" x 1'11"	1x Double 1982 x 1480mm 6'6" x 4'10" 1x Single 1800 x 610mm 5'11" x 2' 1x Single 1710 x 580mm 5'7" x 1'11"		
M.T.P.L.M. kgs	1250kgs / 24.6cwt	1325kgs / 26cwt	1500kgs / 29.5cwt	1500kgs / 29.5cwt	1525kgs / 29.9cwt	1525kgs / 29.9cwt
Mass in Running Order kgs	1054kgs / 20.3cwt	1105kgs / 21.7cwt	1250kgs / 24.55cwt	1250kgs / 24.55cwt	1300kgs / 25.53cwt	1300kgs / 25.53cwt
Essential Habitation Equipment kgs	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt
Maximum User Payload kgs	196kgs / 3.85cwt	220kgs / 4.32cwt	250kgs / 4.9cwt	250kgs / 4.9cwt	225kgs / 4.42cwt	225kgs / 4.42cwt
Maximum Hitch Weight kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt
Optional Equipment Payload kgs	30kgs / 0.58cwt	29kgs / 0.57cwt	44kgs / 0.86cwt	54kgs / 1.06cwt	29kgs / 0.57cwt	29kgs / 0.57cwt

3% has been added to **Mass In Running Order** to calculate the **Maximum User Payload.**
Maximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.
Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.

	432	482	505	524	534	534L
Number of Berths	2	2	5	4	4	4
Interior Length	4314mm / 14'2"	4828mm / 15'10"	5344mm / 17'6"	5344mm / 17'6"	5486mm / 18'	5486mm / 18'
External body length	5122mm / 16'10"	5636mm / 18'6"	6152mm / 20'2"	6152mm / 20'2"	6294mm / 20'8"	6294mm 20'8"
Shipping Length	6025mm / 19'9"	6539mm / 21'5"	7055mm / 23'2"	7055mm / 23'2"	7197mm / 23'7"	7197mm / 23'7"
Overall Width	2140mm / 7'	2140mm / 7'	2140mm / 7'	2140mm / 7'	2278mm / 7'5.5"	2278mm / 7'5.5"
Overall Height	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"
Maximum Headroom	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"
Interior Width	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2170mm / 7' 1.5"	2170mm / 7' 1.5"
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	195/70 R 14 95	195/70 R 14 95	175 R 14 99	175 R 14 99	175 R 14 99	175 R 14 99
Tyre Pressure	38psi	41psi	64psi	64psi	65psi	65psi
Brake Size	200/50	200/50	200/50	200/50	200/50	200/50
Hitch Ball Height Fully Laden	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground	8560mm / 28'1"	9074mm / 29'9"	9590mm / 31'5.5"	9590mm / 31'5.5"	9732mm / 31'11"	9732mm / 31'11"
Bed Sizes Option 1	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5"	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5"	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Double 1682 x 1270mm 5'6" x 4'2" 1x Single 1725 x 580 5'7.5" x 1'11"	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5" 1 x Single 1800 x 610mm 6'2" x 2' 1 x Single 1710 x 580mm 5'7" x 1'11"	1x Double 2120 x 1742mm 6'11.5" x 5'8.5" 1x Double 1900 x 1340mm 6'2.5" x 4'4.5"	1x Double 2120 x 1329mm 6'11.5" x 4'4" 1x Double 1900 x 1340mm 6'2.5" x 4'4.5"
Bed Sizes Option 2	1x Double 1982 x 1480mm 6'6" x 4'10"	1x Double 1982 x 1480mm 6'6" x 4'10"	1x Double 1982 x 1480mm 6'6" x 4'10" 1x Double 1682 x 1270mm 5'6" x 4'2" 1x Single 1725 x 580mm 5'7" x 1'11"	1x Double 1982 x 1480mm 6'6" x 4'10" 1x Single 1800 x 610mm 5'11" x 2' 1x Single 1710 x 580mm 5'7" x 1'11"		
M.T.P.L.M. kgs	1250kgs / 24.6cwt	1325kgs / 26cwt	1500kgs / 29.5cwt	1500kgs / 29.5cwt	1525kgs / 29.9cwt	1525kgs / 29.9cwt
Mass inRunning Order kgs	1071kgs / 19.12cwt	1121kgs / 22.01cwt	1266kgs / 24.86cwt	1266kgs / 24.86cwt	1316kgs / 25.85cwt	1316kgs / 25.85cwt
Essential Habitation Equipmentkgs	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt
Maximum User Payload kgs	179kgs / 3.51cwt	204kgs / 4.00cwt	234kgs / 4.6cwt	234kgs / 4.6cwt	209kgs / 4.1cwt	209kgs / 4.1cwt
Maximum Hitch Weight kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt
Optional equipiment payload kgs	13kgs / 0.25cwt	13kgs / 0.25cwt	28kgs / 0.55cwt	38kgs / 0.75cwt	13kgs / 0.25cwt	13kgs / 0.25cwt

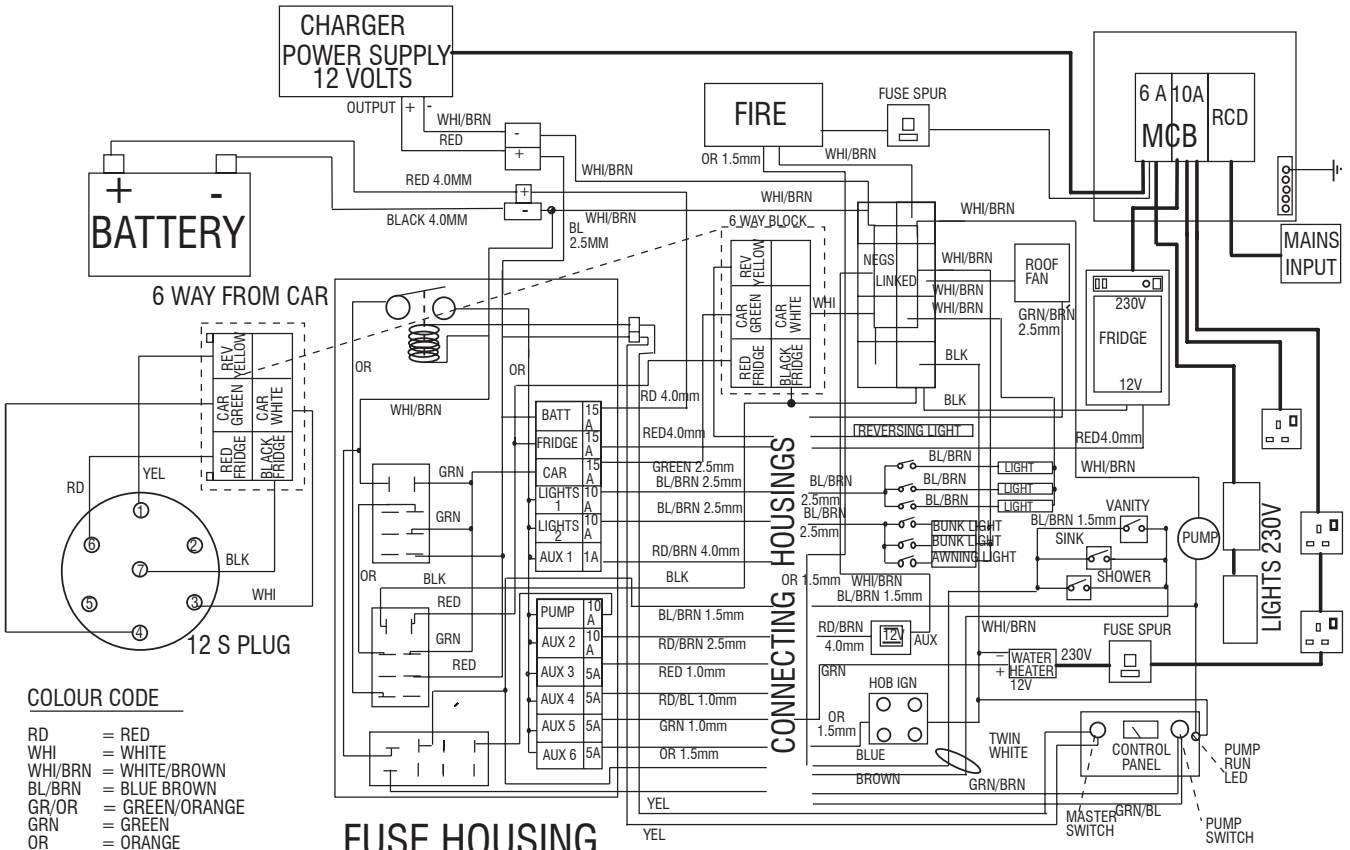
A manufacturing tolerance has been added to **Mass In Running Order** before calculating **Maximum User Payload.**
Maximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.
Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.

	432	482	505	524	534	534L
Number of Berths	2	2	5	4	4	4
Interior Length	4314mm / 14'2"	4828mm / 15'10"	5344mm / 17'6"	5344mm / 17'6"	5486mm / 18'	5486mm / 18'
External body length	5122mm / 16'10"	5636mm / 18'6"	6152mm / 20'2"	6152mm / 20'2"	6294mm / 20'8"	6294mm 20'8"
Shipping Length	6025mm / 19'9"	6539mm / 21'5"	7055mm / 23'2"	7055mm / 23'2"	7197mm / 23'7"	7197mm / 23'7"
Overall Width	2140mm / 7'	2140mm / 7'	2140mm / 7'	2140mm / 7'	2278mm / 7'5.5"	2278mm / 7'5.5"
Overall Height	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"
Maximum Headroom	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"
Interior Width	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2032mm / 6'8"	2170mm / 7' 1.5"	2170mm / 7' 1.5"
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	195/70 R 14 95	195/70 R 14 95	175 R 14 99	175 R 14 99	185 R 14 102	185 R 14 102
Tyre Pressure	38psi	41psi	64psi	64psi	61psi	61psi
Brake Size	200/50	200/50	200/50	200/50	200/50	200/50
Hitch Ball Height Fully Laden	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground	8560mm / 28'1"	9074mm / 29'9"	9590mm / 31'5.5"	9590mm / 31'5.5"	9732mm / 31'11"	9732mm / 31'11"
Bed Sizes Option 1	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5"	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5"	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Double 1682 x 1270mm 5'6" x 4'2" 1x Single 1725 x 580 5'7.5" x 1'11"	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5" 1 x Single 1800 x 610mm 6'2" x 2' 1 x Single 1710 x 580mm 5'7" x 1'11"	1x Double 2120 x 1742mm 6'11.5" x 5'8.5" 1x Double 1900 x 1340mm 6'2.5" x 4'4.5"	1x Double 2120 x 1329mm 6'11.5" x 4'4" 1x Double 1900 x 1340mm 6'2.5" x 4'4.5"
Bed Sizes Option 2	1x Double 1982 x 1480mm 6'6" x 4'10"	1x Double 1982 x 1480mm 6'6" x 4'10"	1x Double 1982 x 1480mm 6'6" x 4'10" 1x Double 1682 x 1270mm 5'6" x 4'2" 1x Single 1725 x 580mm 5'7" x 1'11"	1x Double 1982 x 1480mm 6'6" x 4'10" 1x Single 1800 x 610mm 5'11" x 2' 1x Single 1710 x 580mm 5'7" x 1'11"		
M.T.P.L.M. kgs	1250kgs / 24.6cwt	1325kgs / 26cwt	1550kgs / 30.44cwt	1550kgs / 30.44cwt	1575kgs / 30.94cwt	1575kgs / 30.94cwt
Mass inRunning Order kgs	1054kgs / 20.3cwt	1134kgs/ 22.75cwt	1320kgs / 25.92cwt	1320kgs / 25.92cwt	1370kgs / 26.91cwt	1370kgs / 26.91cwt
Essential Habitation Equipment kgs	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt
Maximum User Payload kgs	166kgs / 3.26cwt	191kgs / 3.75cwt	230kgs / 4.52cwt	230kgs / 4.52cwt	205kgs / 4.03cwt	205kgs / 4.03cwt
Maximum Hitch Weight kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 96cwt
Optional equipiment payload kgs	0kgs / 0wct	0kgs / 0cwt	24kgs / .47cwt	24kgs / .47cwt	9kgs / 0.18cwt	9kgs / 0.18cwt

anufacturing tolerance has been added to **Mass In Running Order** before calculating **Maximum User Payload.**
ximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.
Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.



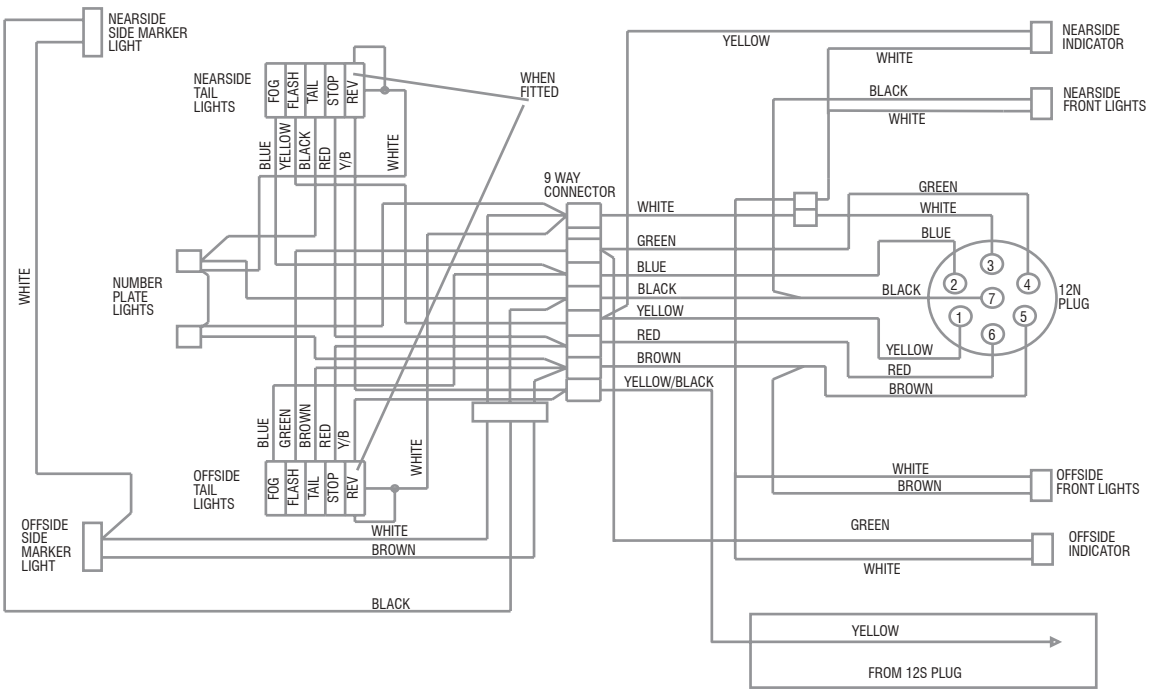
COLOUR CODE

RD	= RED
WHI	= WHITE
WHI/BRN	= WHITE/BROWN
BL/BRN	= BLUE BROWN
GR/OR	= GREEN/ORANGE
GRN	= GREEN
OR	= ORANGE
RD/BL	= RED/BLUE
BL	= BLUE
YEL	= YELLOW
RD/BRN	= RED/BROWN

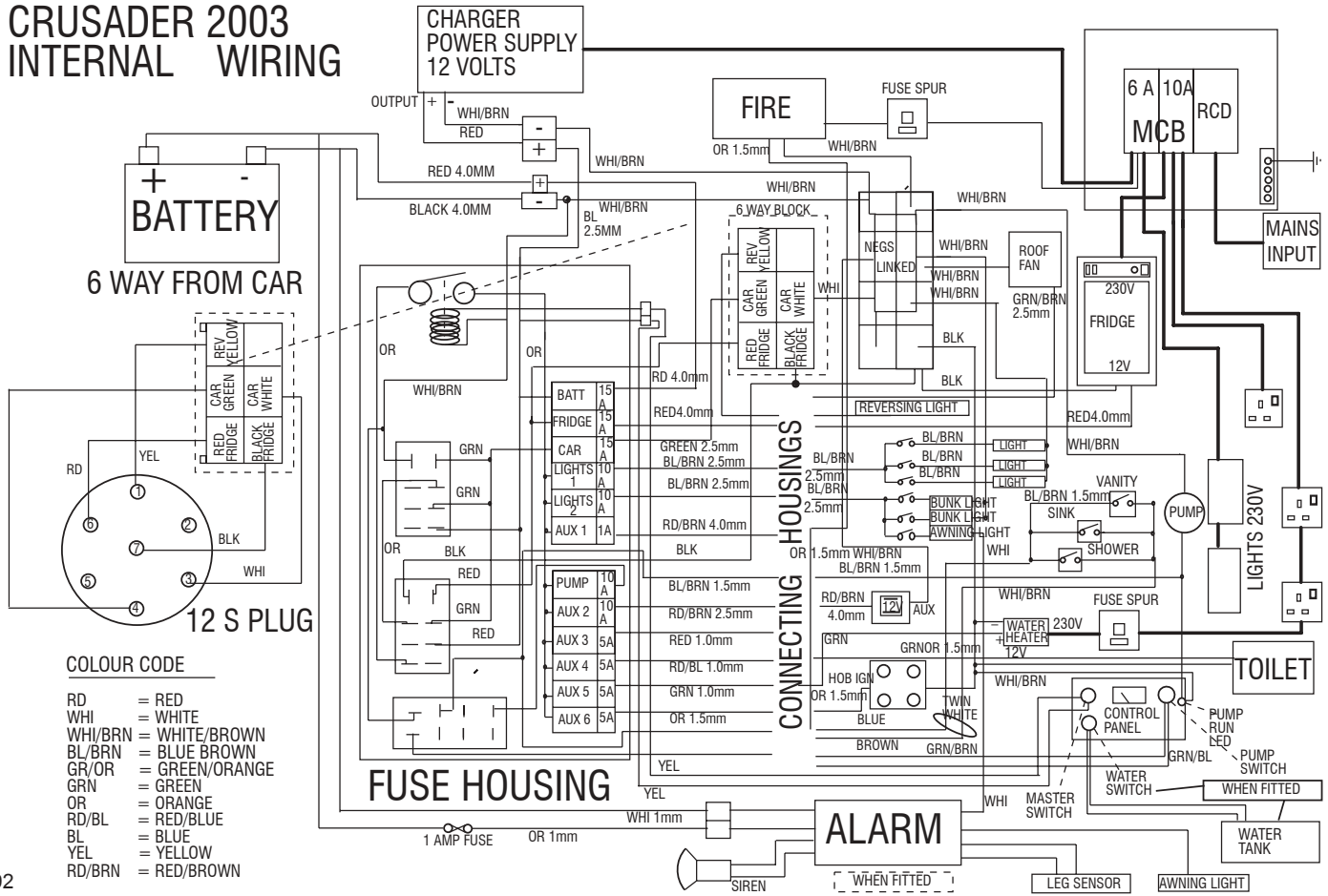
FUSE HOUSING

OMEGA 2003 INTERNAL WIRING

OMEGA 2003
ROAD LIGHTS WIRING DIAGRAM



CRUSADER 2003 INTERNAL WIRING



COLOUR CODE

RD	= RED
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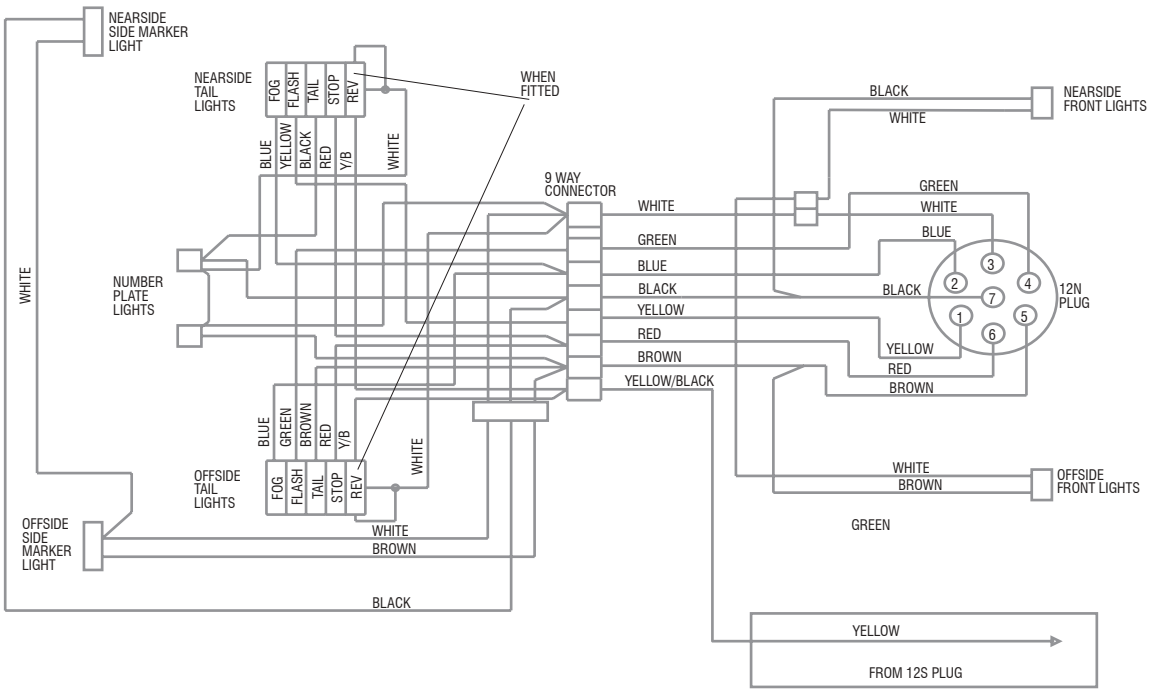
WHI/BRN	= WHITE/BROWN
BL/BRN	= BLUE BROWN
GR/OR	= GREEN/ORANGE
GRN	= GREEN
OR	= ORANGE
RD/BL	= RED/BLUE
BL	= BLUE
YEL	= YELLOW
RD/BRN	= RED/BROWN

CRUSADER 2003
ROAD LIGHTS WIRING DIAGRAM



	Hurricane	Typhoon	Aurora	Sirocco	Super Sirocco	Super Storm
Number of Berths	2	4	4	4	4	5
Interior Length	4828mm / 15'10"	5344mm / 17'6"	5486mm / 18'	6325mm / 20'9"	6325mm / 20'9"	6325mm / 20'9"
Exterior body length	5636mm / 18'6"	6152mm / 20'2"	6294mm / 20'8"	6998mm / 23'	6998mm / 23'	6998mm / 23'
Shipping Length	6539mm / 21'5"	7055mm / 23'2"	7197mm / 23'7"	8036mm / 26'4"	8036mm / 26'4"	8036mm / 26'4"
Overall Width	2278mm / 7'5.5"	2278mm / 7'5.5"	2278mm / 7'5.5"	2300mm / 7'6.5"	2300mm / 7'6.5"	2300mm / 7'6.5"
Overall Height	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2696mm / 8'10"	2696mm / 8'10"	2696mm / 8'10"
Maximum Headroom	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"
Interior Width	2278mm / 7'5.5"	2278mm / 7'5.5"	2278mm / 7'5.5"	2278mm / 7'5.5"	2278mm / 7'5.5"	2278mm / 7'5.5"
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	165 R 14 97	175 R 14 99	175 R 14 99	175/65 R 14 82	175/65 R 14 82	175/65 R 14 82
Tyre Pressure	60psi	62psi	62psi	35psi	35psi	35psi
Brake Size	200/50	200/50	200/50	200/50	200/50	200/50
Hitch Ball Height Fully Laden	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground	9074mm / 29'9"	9590mm / 31'5.5"	9732mm / 31'11"	10571mm / 34'8"	10571mm / 34'8"	10571mm / 34'8"
Bed Sizes Option 1	1x Single 1880 x 740mm 6'2" x 2'5" 1x Single 1880 x 740mm 6'2" x 2'5"	1 x Single1880mm x 740mm 6'2"x 2'5 1 x Single 1880mm x 740mm 6'2" x 2'5" 1 x Single 1880mm x 610mm 6'2" x 2' 1 x Single 1710mm x 580mm 5'7" x 1'11"	1x Double 2120 x 1742mm 6'11.5" x 5'8.5" 1x Double 1900 x 1340mm 6'3" x 4'4.5"	1x Single 1880 x 740mm 6'2" x 2'5" 1x Single 1880 x 740mm 6'2" x 2'5" 1x Double 2120 x 1400mm 6'11.5" x 4'7"	1x Double 2120 x 1329mm 6'11.5" x 4'4" 1x Double 1900 x 1340mm 6'3" x 4'4.5"	1x Single 1880 x 740mm 6'2" x 2'5" 1x Single 1880 x 740mm 6'2" x 2'5" 1x Single 1830 x 685mm 6' x 2'3" 1x Single 1830 x 730mm 6' x 2'4.5" 1x Single 1720 x 580mm 5'7.5" x 1'10"
Bed Sizes Option 2	1x Double 2120 x 1480mm 6'11.5" x 4'10"	1x Double 2120 x 1480mm 6'11.5" x 4'10" 1 x Single 1880 x 610mm 6'2" x 2' 1 x Single 1710 x 580mm 5'7" x 1'11"		Double 2120 x 1480mm 6'11.5" x 4'10" 1x Double 2120 x 1400 6'11" x 4'7"		1x Double 2120 x 1480mm 6'11.5" x 4'10" 1x Single 1830 x 685mm 6' x 2'3" 1x Single 1830 x 730mm 2'3" x 2'4.5" 1x Single 1720 x 580mm 5'7.5" x 1'10"
M.T.P.L.M. kgs	1425kgs / 28cwt	1550kgs / 30.44cwt	1600kgs / 31.42cwt	1900kgs / 37.32cwt	1900kgs / 37.32cwt	1900kgs / 37.32cwt
Mass in Running Order kgs	1220kgs / 23.96cwt	1335kgs / 26.22cwt	1375kgs / 27cwt	1615kgs / 28.83cwt	1615kgs / 28.83cwt	1625kgs / 31.91cwt
Essential Habitation Equipment kgs	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	95kgs / 1.69cwt	95kgs / 1.69cwt	95kgs / 1.69cwt
Maximum User Payload kgs	205kgs / 4.03cwt	215kgs / 4.22cwt	225kgs / 4.42cwt	285kgs / 5.09cwt	285kgs / 5.09cwt	275kgs / 5.4cwt
Maximum Hitch Weight kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt
Optional Equipment Payload kgs	34kgs / 0.67cwt	19kgs / 0.38cwt	29kgs / 0.57cwt	49kgs / 0.96cwt	49kgs / 0.96cwt	29kgs / 0.57cwt

3% has been added to **Mass In Running Order** to calculate the **Maximum User Payload.**
Maximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

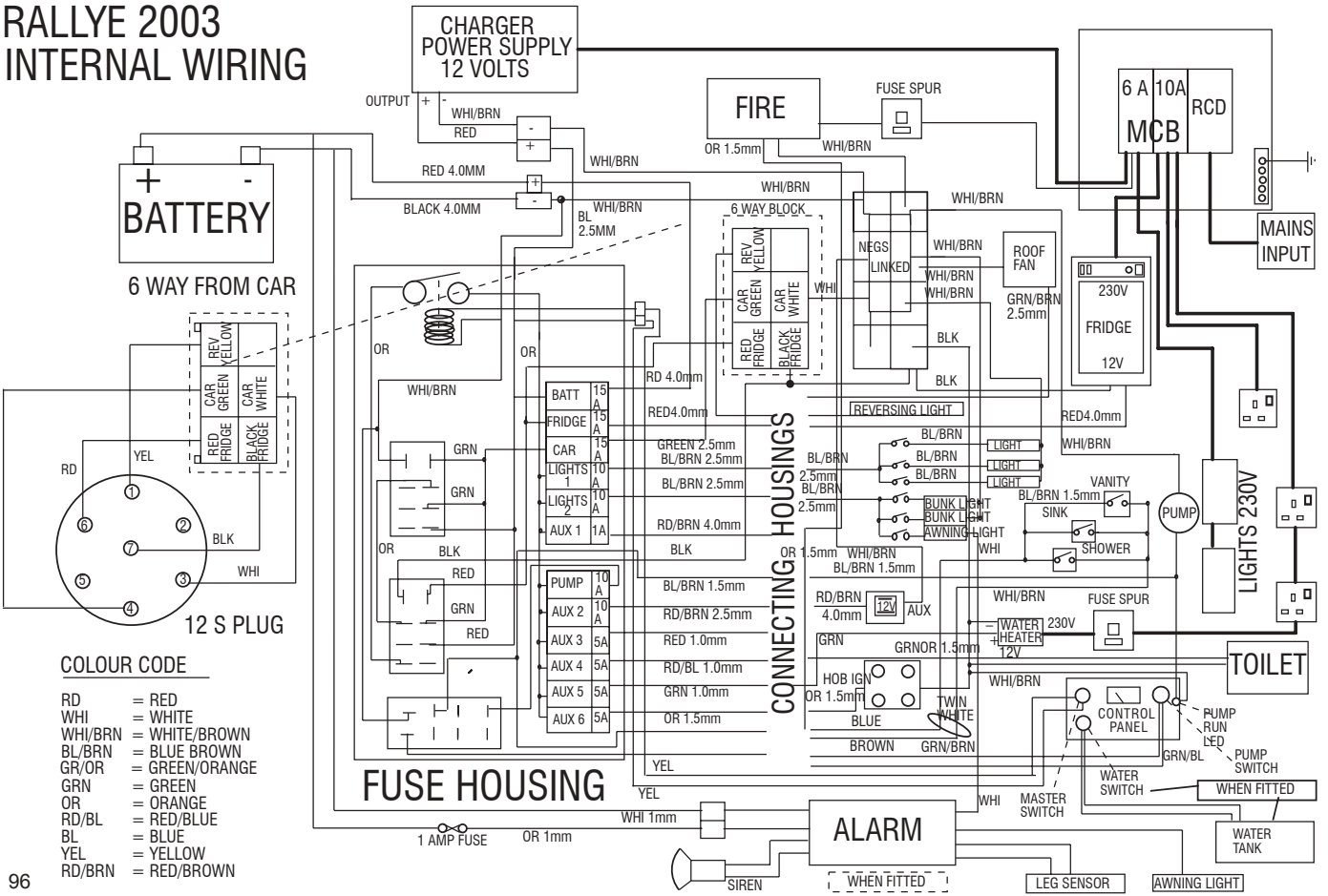
Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.
Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.

	482	524	534	634	635
Number of Berths	2	4	4	4	4
Interior Length	4828mm / 15'10"	5344mm / 17'6"	5486mm / 18'	6325mm / 20'9"	6325mm / 20'9"
Exterior body length	5636mm / 18'6"	6152mm / 20'2"	6294mm / 20'8"	6998mm / 23'	6998mm / 23'
Shipping Length	6539mm / 21'5"	7055mm / 23'2"	7197mm / 23'7"	8036mm / 26'4"	8036mm / 26'4"
Overall Width	2278mm / 7'5.5"	2278mm / 7'5.5"	2278mm / 7'5.5"	2300mm / 7'6.5"	2300mm / 7'6.5"
Overall Height	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2696mm / 8'10"	2696mm / 8'10"
Maximum Headroom	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"
Interior Width	2170mm / 7' 1.5"	2170mm / 7' 1.5"	2170mm / 7' 1.5"	2170mm / 7' 1.5"	2278mm / 7'5.5"
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	165 R 14 97	175 R 14 99	175 R 14 99	175/65 R 14 82	175/65 R 14 82
Tyre Pressure	59 psi	65psi	61psi	36psi	36psi
Brake Size	200/50	200/50	200/50	200/50	200/50
Hitch Ball Height Fully Laden	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground	9074mm / 29'9"	9590mm / 31'5.5"	9732mm / 31'11"	10571mm / 34'8"	10571mm / 34'8"
Bed Sizes Option 1	1x Single 1880 x 740mm 6'2" x 2'5" 1x Single 1880 x 740mm 6'2" x 2'5"	1 x Single 1880mm x 740mm 6'2" x 2'5" 1 x Single 1880mm x 740mm 6'2" x 2'5" 1 x Single 1880mm x 610mm 6'2" x 2' 1 x Single 1710mm x 580mm 5'7" x 1'11"	1x Double 2120 x 1742mm 6'11.5" x 5'8.5" 1x Double 1900 x 1340mm 6'3" x 4'4.5"	1x Single 1880 x 740mm 6'2" x 2'5" 1x Single 1880 x 740mm 6'2" x 2'5" 1x Double 2120 x 1400 6'11.5" x 4'7"	1x Single 1880 x 740mm 6'2" x 2'5" 1x Single 1880 x 740mm 6'2" x 2'5" 1x Double 2120 x 1400 6'11.5" x 4'7"
Bed Sizes Option 2	1x Double 2120 x 1480mm 6'11.5" x 4'10"	1x Double 2120 x 1480mm 6'11.5" x 4'10" 1 x Single 1880 x 610mm 6'2" x 2' 1 x Single 1710 x 580mm 5'7" x 1'11"		1x Double 2120 x 1480mm 6'11.5" x 4'10" 1x Double 2120 x 1400 6'11" x 4'7"	1x Double 2120 x 1480mm 6'11.5" x 4'10" 1x Double 2120 x 1400 6'11" x 4'7"
M.T.P.L.M. kgs	1425kgs / 28cwt	1550kgs / 29.5cwt	1600kgs / 31.42cwt	1900kgs / 37.32cwt	1900kgs / 37.32cwt
Mass in Running Order kgs	1220kgs / 23.96cwt	1335kgs / 26.22cwt	1375kgs / 27cwt	1615kgs / 28.83cwt	1615kgs / 28.83cwt
Essential Habitation Equipment kgs	62kgs / 1.22cwt	62kgs / 1.22cwt	62kgs / 1.22cwt	95kgs / 1.69cwt	95kgs / 1.69cwt
Maximum User Payload kgs	205kgs / 4.03cwt	215kgs / 4.22cwt	225kgs / 4.42cwt	285kgs / 5.09cwt	285kgs / 5.09cwt
Maximum Hitch Weight kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt
Optional Equipment Payload kgs	34kgs / 0.67cwt	19kgs / 0.38cwt	29kgs / 0.57cwt	49kgs / 0.96cwt	49kgs / 0.96cwt

3% has been added to **Mass In Running Order** to calculate the **Maximum User Payload.**
Maximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.
Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.

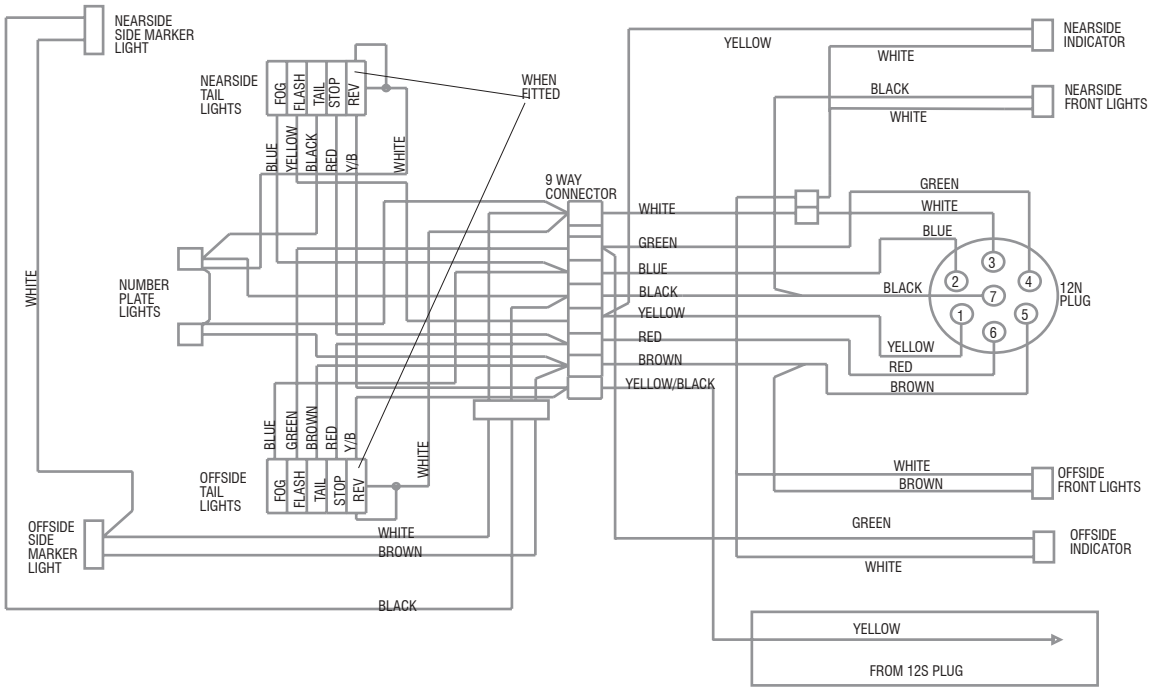
RALLYE 2003 INTERNAL WIRING



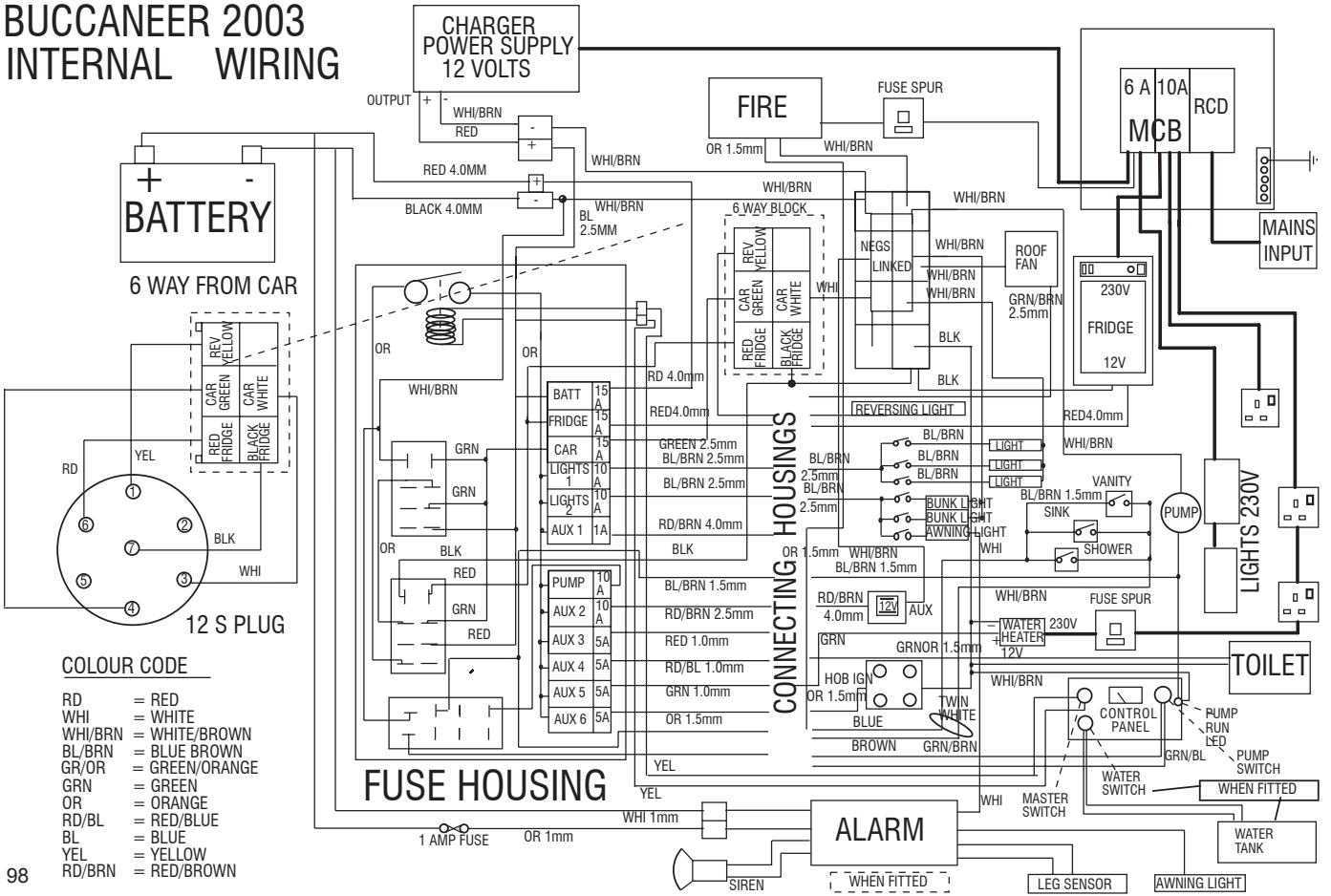
COLOUR CODE

RD	= RED
WHI	= WHITE
WHI/BRN	= WHITE/BROWN
BL/BRN	= BLUE BROWN
GR/OR	= GREEN/ORANGE
GRN	= GREEN
OR	= ORANGE
RD/BL	= RED/BLUE
BL	= BLUE
YEL	= YELLOW
RD/BRN	= RED/BROWN

RALLYE 2003
ROAD LIGHTS WIRING DIAGRAM



BUCCANEER 2003 INTERNAL WIRING



COLOUR CODE

RD	= RED
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GR/OR	= GREEN/ORANGE
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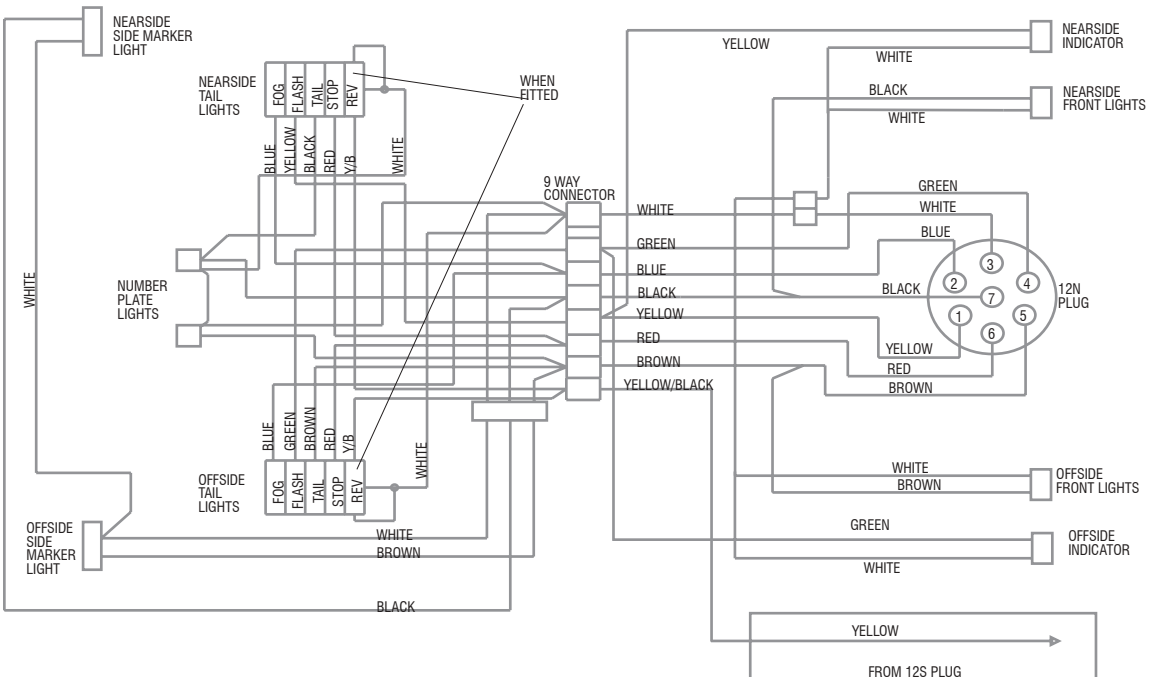
YEL	= YELLOW
RD/BRN	= RED/BROWN

BUCCANEER 2003
ROAD LIGHTS WIRING DIAGRAM



	Elan 14	Elan 15	Caribbean	Argosy	Schooner
	482	524	534	634	
Number of Berths	2	2	4	4	4
Interior Length	4314mm / 14'2"	4828mm / 15'10"	5344mm / 17'6"	5486mm / 18'	6325mm / 20'9"
Shipping Length	6025mm / 19'9"	6539mm / 21'5"	7055mm / 23'2"	7197mm / 23'7"	8036mm / 26'4"
Overall Width	2140mm / 7'	2278mm / 7'5.5"	2278mm / 7'5.5"	2278mm / 7'5.5"	2300mm / 7'6.5"
Overall Height	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2726mm / 8'11"	2696mm / 8'10"
Maximum Headroom	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"	1908mm / 6'3"
Interior Width	2032mm / 6'8"	2170mm / 7' 1.5"	2170mm / 7' 1.5"	2170mm / 7' 1.5"	2170mm / 7' 1.5"
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	195/70 R 14 95	165 R 14 97	175 R 14 99	175 R 14 99	175/65 R 14 82
Tyre Pressure	38psi	60 psi	62psi	62psi	35psi
Brake Size	200/50	200/50	200/50	200/50	200/50
Hitch Ball Height Fully Laden	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"	427mm / 1'5"
Awning Sizes Ground to Ground	8560mm / 28'1"	9074mm / 29'9"	9590mm / 31'5.5"	9732mm / 31'11"	10571mm / 34'8"
Bed Sizes Option 1	1x Single 1880 x 675mm 6'2" x 2'2.5" 1x Single 1880 x 675mm 6'2" x 2'2.5"	1x Single 1880 x 740mm 6'2" x 2'5" 1x Single 1880 x 740mm 6'2" x 2'5"	1 x Single 1880mm x 740mm 6'2" x 2'5" 1 x Single 1880mm x 740mm 6'2" x 2'5" 1 x Single 1880mm x 610mm 6'2" x 2' 1 x Single 1710mm x 580mm 5'7" x 1'11"	1x Double 2120 x 1742mm 6'11.5" x 5'8.5" 1x Double 1900 x 1340mm 6'3" x 4'4.5"	1x Single 1880 x 740mm 6'2" x 2'5" 1x Single 1880 x 740mm 6'2" x 2'5" 1x Double 2120 x 1400mm 6'11.5" x 4'7"
Bed Sizes Option 2	1x Double 1982 x 1480mm 6'6"" x 4'10""	1x Double 2120 x 1480mm 6'11.5" x 4'10"	1x Double 2120 x 1480mm 6'11.5" x 4'10" 1 x Single 1880 x 610mm 6'2" x 2 1 x Single 1710 x 580mm 5'7" x 1'11"		1x Double 2120 x 1480mm 6'11.5" x 4'10" 1x Double 2120 x 1400mm 6'11" x 4'7"
M.T.P.L.M. kgs	1250kgs / 24.6cwt	1385kgs / 27.2cwt	1500kgs / 29.5cwt	1500kgs / 29.5cwt	1800kgs / 35.4cwt
Mass in Running Order kgs					
Essential Habitation Equipment kgs	54kgs / 1.08cwt	54kgs / 1.08cwt	54kgs / 1.08cwt	54kgs / 1.08cwt	87kgs / 1.57cwt
Maximum User Payload kgs					
Maximum Hitch Weight kgs	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt	100kgs / 1.96cwt

3% has been added to **Mass In Running Order** to calculate the **Maximum User Payload.**
Maximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

Note 1: Please take care to ensure that you have allowed for the masses of all items you intend to carry in the caravan.
Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.

	Wiston	Salvington	Chilington	Washington	Ashington
Number of Berths	2	2	2	5	4
Interior Length	3782mm	4034mm	4752mm	5147mm	5275mm
Shipping Length	5270mm	5522mm	6237mm	6635mm	6763mm
Overall Width	2184mm	2184mm	2184mm	2184mm	2184mm
Overall Height	2755mm	2755mm	2755mm	2755mm	2755mm
Maximum Headroom	1953mm	1953mm	1953mm	1953mm	1953mm
Interior Width	2032mm	2032mm	2032mm	2032mm	2032mm
Wheel Rim	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14	5.5J x 14
Tyre Size	195/70 R 14 91	195/70 R 14 91	195/70 R 14 95	195/70 R14 95	195/70 R 14 95
Tyre Pressure	33psi	36psi	39psi	39psi	39psi
Brake Size	200/50	200/50	200/50	200/50	200/50
Hitch Ball Height Fully Laden	427mm	427mm	427mm	427mm	427mm
Awning Sizes Ground to Ground	7920mm	8200mm	8850mm		9400mm
Bed Sizes Option 1	1xSingle 1862x673mm 1xSingle 1805x673mm	1xSingle 1880x673mm 1 xSingle 2044x673mm	1xSingle 1862x673mm 1xSingle 1805x673mm	1xSingle 1880x673mm 1xSingle 1853x673mm 1xDouble 1795x1130mm 1xSingle 1795x570mm	1xSingle 1862x673mm 1xSingle 1805x673mm 1xSingle 1800x610mm 1xSingle 1710x580mm
Bed Sizes Option 2	1xDouble 1980x1395mm	1xDouble 1980x1443mm	1xDouble 1980x1395mm	1xDouble 1980x1443mm 1xDouble 1795x1130mm 1xSingle 1795x570mm	1xDouble 1980x1395mm
M.T.P.L.M. kgs	1130	1150	1300	1350	1350
Mass in Running Order kgs	930	950	1075	1130	1130
Essential Habitation Equipment kgs	62	62	62	62	62
Maximum User Payload kgs	200	200	225	220	220
Maximum Hitch Weight kgs	100	100	100	100	100

3% has been added to **Mass In Running Order** to calculate the **Maximum User Payload.**
Maximum User Payload includes **Essential Habitation Equipment,** Personal Effects, Optional Equipment.

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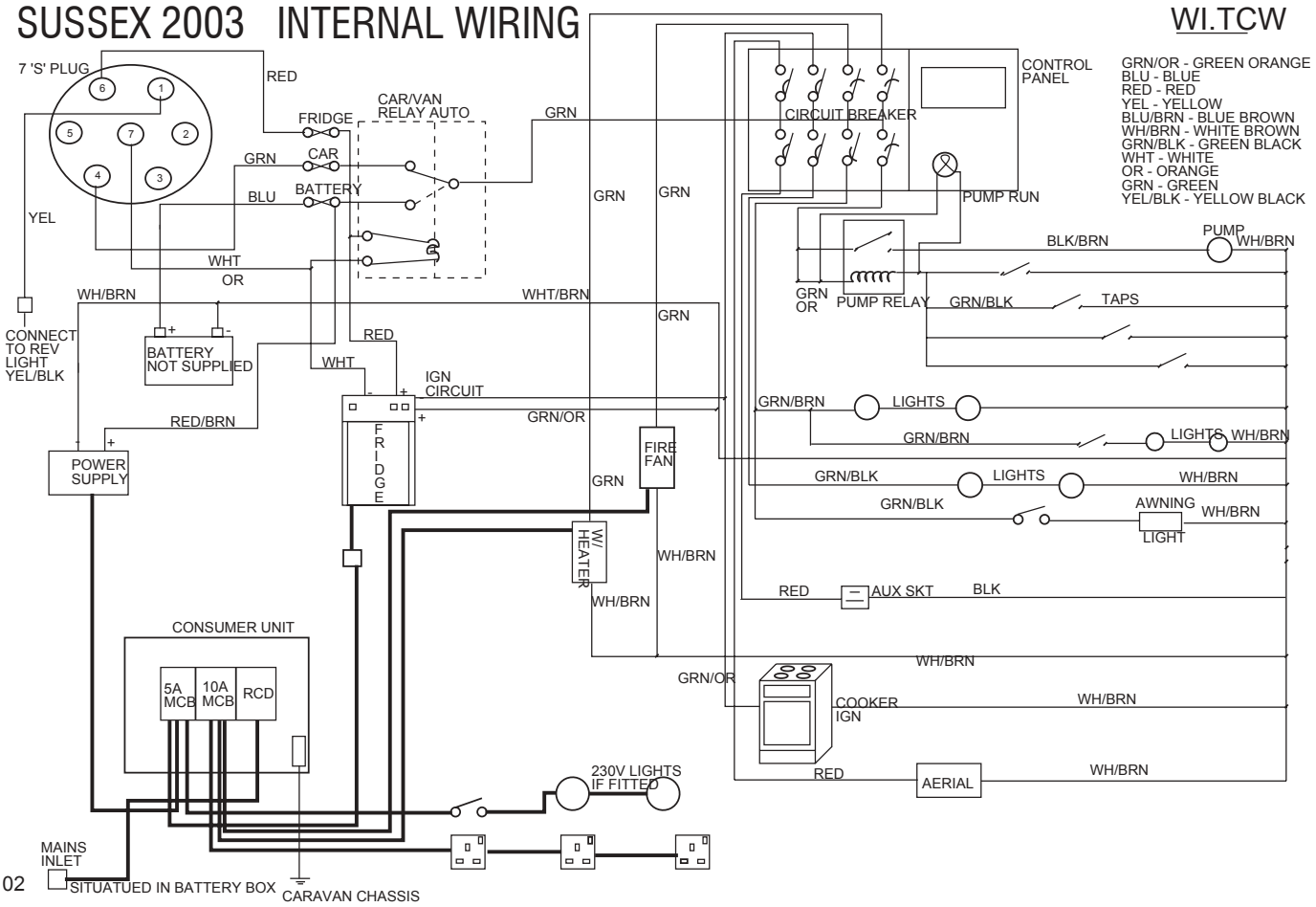
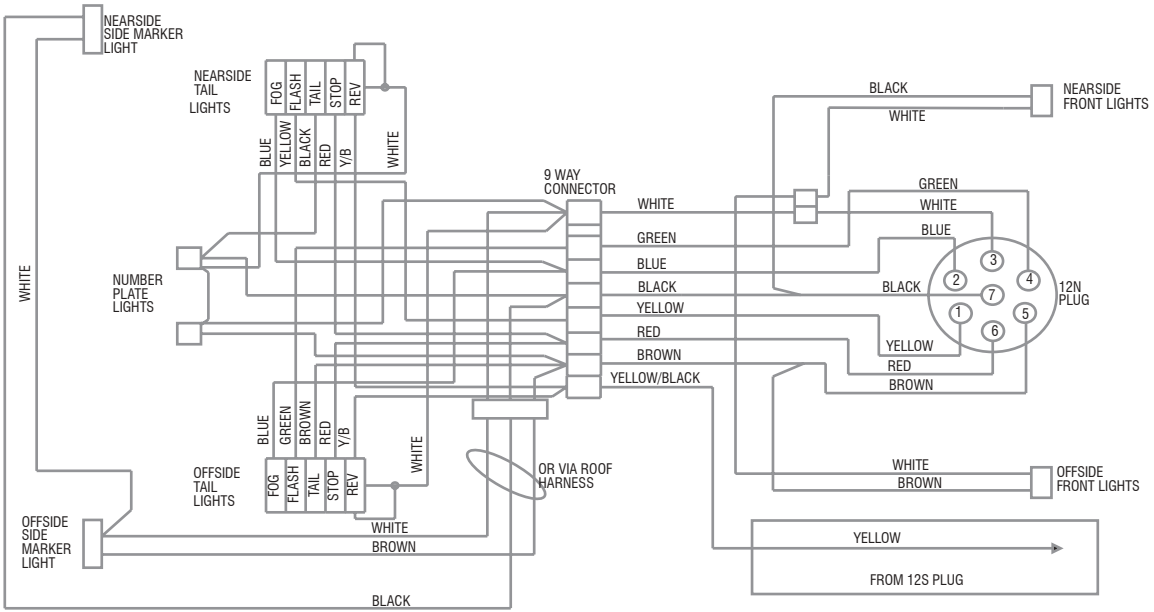
Note 2: Warning under no circumstances must the technical Permissable Laden Mass of the caravan be exceeded.

SUSSEX 2003 INTERNAL WIRING

WI.TCW



SUSSEX
ROAD LIGHTS WIRING DIAGRAM



RETAILER SPECIAL EDITIONS

2003 EXPLORER GROUP RETAILER SPECIAL EDITIONS

PARENT MODEL	RETAILER SPECIAL
AVANTÉ	ADVANTAGE
	BROADWAY
	CARRON
	DIAMOND
	ELUSION
	EMPEROR
	FIRESTORM
	INVICTA
	KENSINGTON
	KNIGHTSBRIDGE
	RACECOURSE
	RIVA
	RIVER RANGE
	RIVIERA
	SUNSEEKER
	TOBAGO
	TRINADAD
	TWEED
	XSCAPE
CORONA	AMAZON
	CONCERTO
	MAGNUM
	WARREN
	SHIRAZ
OMEGA	LIBERTÉ
	MAGNUM CLASSIC
	PENTARA
ODYSSEY	GTI

FOR FULL DETAILS OF YOUR TOURER SPECIFICATION
PLEASE LOOK UNDER THE PARENT MODEL NAME

Model Range	Space Heater	GAS KW	Electric KW	Water Heater	GAS KW	Electric KW	Fridge	GAS KW	Electric KW	Hob Grill	GAS KW	Oven	
Avanté	Truma Ultraheat	3.75	1.83	Truma Ultrastore	1.2	0.83	Electrolux RM 4270	0.232	0.125	Spinflo Argent	6	Spinflo Midi	
Corona	Truma Ultraheat	3.75	1.83	Truma Ultrastore	1.2	0.83	Electrolux RM 4270	0.232	0.125	Spinflo Argent	6	Spinflo Midi	
Odyssey	Truma Ultraheat	3.75	1.83	Truma Ultrastore	1.2	0.83	Electrolux RM 6270	0.232	0.125	Spinflo Argent	6	Spinflo Midi	
Omega	Truma Ultraheat	3.75	1.83	Truma Ultrastore	1.2	0.83	Electrolux RM 6270	0.232	0.125	Spinflo Argent	6	Spinflo Midi	
Rallye	Truma Ultraheat	3.75	1.83	Truma Ultrastore	1.2	0.83	Electrolux RM 6291	0.232	0.125	Spinflo Argent	6	Spinflo Midi	
Crusader	Truma Ultraheat	3.75	1.83	Truma Ultrastore	1.2	0.83	Electrolux RM 6291	0.232	0.125	Spinflo Argent	6	Spinflo Midi	
Buccaneer	Truma Ultraheat	3.75	1.83	Truma Ultrastore	1.2	0.83	Electrolux RM 6291	0.232	0.125	Spinflo Argent	6	Spinflo Midi	

Road Light Bulb Ratings

Front marker	5 watts	Side marker	5 watss	Fog	21 watts	Brake	21 watts
Indicator	21 watts	Reversing	21 watts	Number plate	10 watts	Rear	5 watts

Equipment List

Avanté and Corona

Fridge	Electrolux rm4270
Heater	Eruma ultraheat piezo
Internal blown air syst	Yes
Water heater	Truma ultrastore
Sink & drainer	Argent stainless
Oven unit	Midi (copper)
Hob unit	Argent stainless
Taps kitchen	Reich chrome (Kama)
Shower equipment	Whale white
Taps vanity	Whale white
Water filter/pump	Compact & old Maxi
Lights 12v ceiling/locker	Pearl & Crown
Lights 12v reading	Eyeball
Control panels	BCA
Electric fittings	Clipsal beige
Cassette blinds	Seitz series 2000
Toilet	Thetford

Crusader, Rally, Buccaneer

Fridge	Electrolux rm6291
Heater	Truma ultraheat auto
Internal blown air syst	Yes
Water heater	Truma ultrastore
Sink & drainer	Argent
Oven unit	Midi
Hob unit	Argent
Taps kitchen	Reich chrome (Kama)
Shower equipment	Reich chrome
Taps vanity	Reich chrome
Water filter/pump	Crys / maxi & w/line
Lights 12v ceiling/locker	Pearl & Crown
Lights 12v reading	Nova
Control panels	BCA
Electric fittings	Clipsal black only
Cassette blinds	Seitz 2000 front windows
Toilet	Thetford Electronic

Odyssey and Omega

Fridge	Electrolux rm6270
Heater	Truma ultraheat auto
Internal blown air syst	Yes
Water heater	Truma ultrastore
Sink & drainer	Argent
Oven unit	Midi
Hob unit	Argent
Taps kitchen	Reich chrome (kama
Shower equipment	Reich chrome
Taps vanity	Reich chrome
Water filter/pump	Crystal & Maxi
Lights 12v ceiling/locker	Pearl &Crown
Lights 12v reading	Nova
Control panels	BCA
Electric fittings	Clipsal beige
Cassette blinds	Seitz 2000 front windo
Toilet	Thetford Rotatable

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